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U S Department of Agriculture

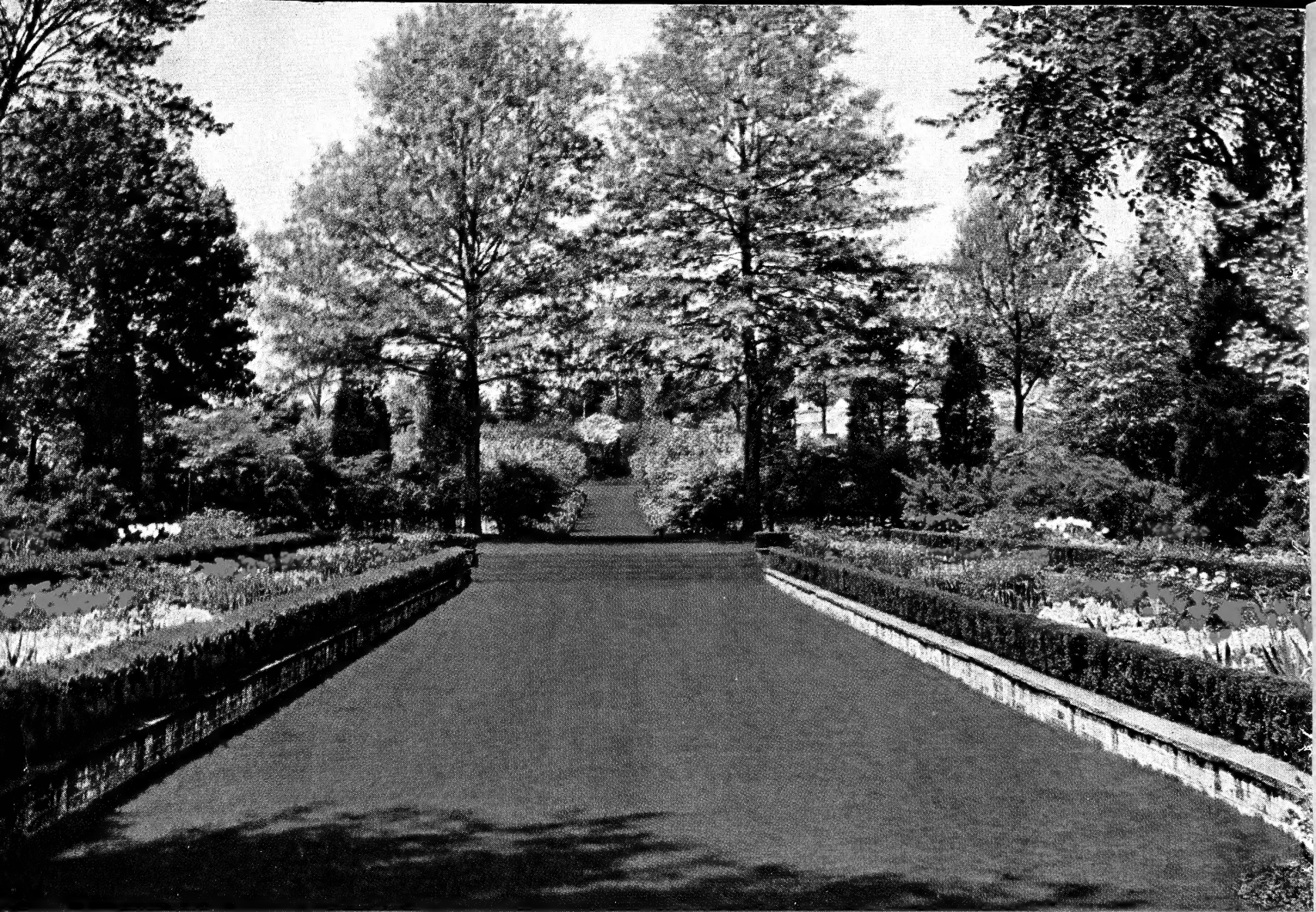


*McCullough's*

Seed Co.  
Ohio

GARDEN BOOK





# *You too—can have a beautiful lawn!*

## *START YOUR LAWN THIS WAY*

Be sure the soil has good drainage. Have the seed bed fine, smooth, and mellow. Careful consideration should be given as to the kind of seed to be used. The cost of the seed represents the smallest part of the investment. It is false economy to save a few cents by purchasing a lawn seed from a questionable source, only to be annoyed later by repatching a weedy turf or being required to do the entire work over.

Select a calm day and sow half the quantity one way and the remaining half at right angles. Seed at the rate of 1 pound to 200 square feet on new lawns or 125 to 150 pounds per acre. It requires about one-half as much seed for an established lawn. A thick sod is the best protection against weeds. The seed should be covered by light raking and a top dressing of peat moss or humus. The lawn is then ready for rolling. If watering is necessary, use a fine spray to prevent washing.

### *Acme Superfine* **LAWN SEED**

As the name implies, this mixture is the finest that modern seed cleaning machinery can produce. Over 99.90 per cent free from weeds. It contains only the plump seeds which produce the strong healthy plants. It is a scientific combination of extra heavy Kentucky Blue Grass, Fancy Red Top and Creeping Bent. All deep-rooting permanent grasses, free from any of the coarse grasses. Truly the best lawn seed obtainable. 1 lb., 95c; 3 lbs., \$2.85; 5 lbs., \$4.65; 10 lbs., \$9.25; 25 lbs., \$22.50.

### *Emerald* **LAWN SEED**

Our standard mixture that has proven satisfactory to our customers over a period of many years. Produces a good clean permanent turf. Composed of re-cleaned Kentucky Blue Grass, Fancy Red Top, Creeping Bent, Chewing's Fescue, White Clover, and other fine grasses all carefully blended.

**Emerald** will give satisfaction. 1 lb., 80c; 3 lbs., \$2.25; 5 lbs., \$3.65; 10 lbs., \$7.25; 20 lbs., \$14.00.

## **ALL SEEDS WE SELL ARE TESTED FOR PURITY AND GROWING QUALITIES—FOR YOUR PROTECTION**



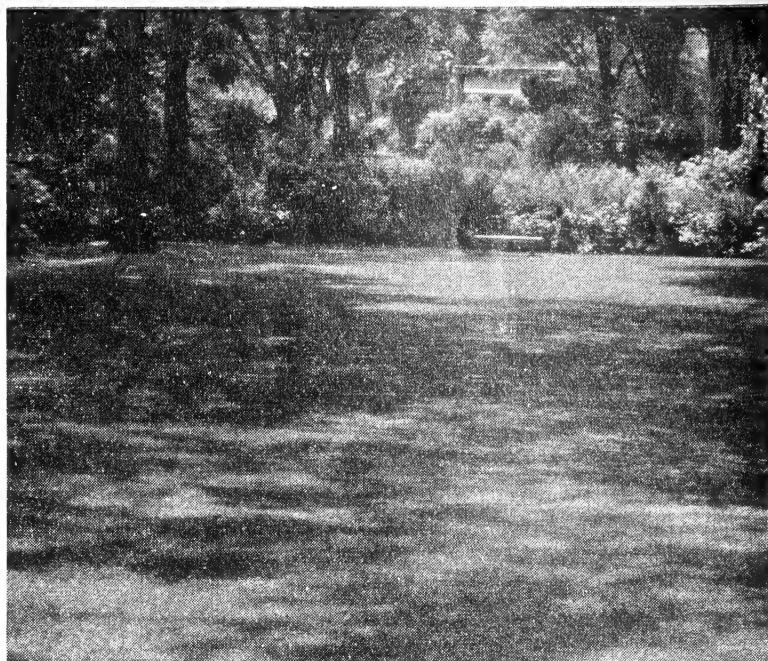
**QUEEN CITY LAWN SEED.** This reliable, time-tested mixture is composed of Blue Grass, Red Top, Rye Grass and White Clover. It can be depended on to produce a beautiful and permanent lawn. Per lb., 65c; 3 lbs., \$1.90; 5 lbs., \$3.10; 10 lbs., \$5.80; 20 lbs., \$11.00.

**SHADY NOOK LAWN SEED.** Many beautiful lawns are marred by bare spots under trees, shrubbery, and near buildings. Shady Nook is composed of an excellent selection of fine grasses that will withstand such conditions better than those in our other mixtures. It is important that soil fertility and moisture supply is well provided in places getting but little sunshine. Per lb., 95c; 3 lbs., \$2.85; 5 lbs., \$4.65; 10 lbs., \$9.25; 25 lbs., \$22.50.

**TERRACE LAWN SEED.** For high, dry situations where moisture and poor soil are conditions to be contended with. It is composed of grasses that should succeed under these conditions and produce a good turf. Per lb., 80c; 3 lbs., \$2.25; 5 lbs., \$3.65; 10 lbs., \$7.25; 20 lbs., \$14.00.

**WHITE DUTCH CLOVER**  
(*Trifolium repens*.) A valuable creeping legume for use in lawn and pasture mixtures, or sown as a straight crop.

LAWN  
FERTILIZERS,  
SEE PAGE 61



# Mc Cullough's Quality Grasses

## For Pasture, Hay, Turf, for all Soils and Purposes

**ASTORIA BENT, RHODE ISLAND BENT, COLONIAL BENT** (*Agrostis tenuis*). An excellent all-round Bent for lawns, greens, parks and playing fields; grows on wide range of soils; spreads mainly by underground root stalks or rhizomes, making a deep reinforced sod. It seldom produces many stolons or surface runners, thus lessening the amount of top dressing and watering. Sow about 3 lbs. to 1000 square feet.

**SEASIDE OR COOS COUNTY BENT** (*Agrostis maritima*). A superlative Bent for putting greens and lawns, ranked high by U. S. Golf Association for putting surface, producing a luxuriant matted growth. It is one of the most vigorous stoloniferous creepers although this characteristic does not usually show up till the second year, after which it makes a fine turf of uniform color and texture. Sow about 3 lbs. to 1000 sq. ft.

**BERMUDA** (*Cynodon dactylon*). 35 lbs. per bushel. A vigorous creeper used principally in the South. Can also be used as an annual grass in the North.

**BLUE GRASS, CANADIAN** (*Poa compressa*). 14 lbs. per bu. For general use, inferior to Kentucky Blue Grass. Superior in dry, shady or impoverished soils and banks. It does not make a good turf alone as it produces a large amount of stems and comparatively little foliage. Good upland pasture grass.

**BLUE GRASS, KENTUCKY** (*Poa pratensis*). 14 lbs. per bu. standard. We can furnish 19 lbs. to 30 lbs. test per bu. Largely used for lawns and when once established, lasts indefinitely. An excellent pasture grass. Deep rooting and has an attractive color. For lawns, sow 5 lbs. per 1000 sq. ft.; for pastures, 20 to 30 lbs. per acre.

**POA TRIVIALIS** (Rough-Stalked Meadow). 14 lbs. per bushel. This grass is known as "The Blue Grass of the Shade," being particularly adapted for shady places. Same family and characteristics as Blue Grass. Makes exceptionally attractive, bright green turf. For lawns sow 5 lbs. per 1000 sq. ft.

**FESCUE, CHEWINGS** (*Festuca rubra* var. *fallax*). 24 lbs. per bu. New Zealand grown. This fine-leaved grass produces a bright green turf, especially well adapted for tree shade, on account of its drought resistance. Sow 5 lbs. per 1000 sq. ft.

**FESCUE, CREEPING RED** (*Festuca Rubra* L.). 24 lbs. per bu. A creeping turf-forming grass, ideal for use on lawns, golf courses, airports, and permanent pastures. Thrives on all types of soil, even on dry, sandy bottom land. Forms a thick turf, crowding weeds out and a real dandelion fighter. Color deep green, with fine needle-like leaves and a strong creeping root system. Especially valuable in shady places. Recovers quickly from drought; keeps its color the year around and does not winter-kill even in the Canadian Northwest. Sow 5 lbs. per 1000 sq. ft.

**FESCUE, MEADOW or ENGLISH BLUE** (*Festuca elatior*). 24 lbs. per bu. Sometimes known as Evergreen Grass. Used largely for permanent pasture. 24 lbs. per acre required if sown alone, or in mixtures, 12 to 18 lbs.

**KENT WILD WHITE CLOVER.** 60 lbs. per bu. A dwarf variety of White Clover, very hardy and excellent for permanent pasture, sown alone or broadcast on old meadows. 3 to 5 lbs. per acre.

**ORCHARD GRASS** (*Dactylis glomerata*). 14 lbs. per bu. Particularly suited to upland, loamy or moderately stiff soil. It ripens three weeks ahead of Timothy and is excellent to sow with Red Clover. Usually yields two crops and is one of the most valuable grasses for both pasture and hay. Requires 1½ to 2 bus. per acre; if with Red Clover, 1 to 1½ bus. of Orchard Grass to 5 or 6 lbs. of Red Clover. For seed, the same quantity of Red Clover and ¼ of a bu. of Orchard Grass.

**CRESTED WHEAT GRASS** (*Agropyron cristatum*). 24 lbs. per bu. A hardy drought-resistant Northwestern prairie grass, adapted in Central States area mainly for controlling erosion on banks and dry slopes. Once established it develops a deep, firm turf. Can be sown in spring or fall, 50 lbs. per acre.

**RED TOP, FANCY RECLEANED** (*Agrostis alba*). 30 lbs. per bu. Sometimes called Herds Grass. Used as one of the principal

ingredients in lawn seed mixtures. Also splendid for pasture, making a fair hay crop. Best suited to moist rich soil, although does well on poor soil. Excellent when sown with Timothy, both maturing together. Requires 6 to 8 lbs. alone, or 3 to 4 lbs. to acre in mixtures. For lawns 4 lbs. per 1000 sq. ft.

**RED TOP, ORDINARY or UNHULLED** (*Agrostis alba*). 14 lbs. per bu. Sow at the rate of 30 lbs. per acre. See Fancy Red Top.

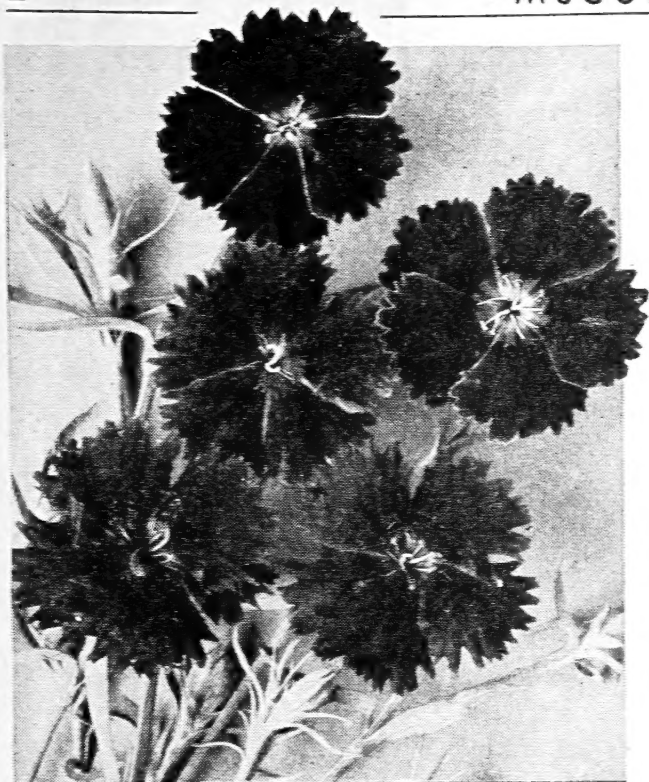
**RYE GRASS, DOMESTIC.** 24 lbs. per bu. Also known as Western Rye Grass. It is inclined to be a quick-growing annual, valuable in lawn mixtures as a nurse crop; succeeds well on almost any type of soil. Valuable in south central states for winter pasture. Sow 20 lbs. per acre.

**RYE GRASS, PERENNIAL** (*Lolium perenne*). 24 lbs. per bu. Often called English Rye Grass. A quick growing grass which is most suitable for mixtures, pastures, hay and lawns. Succeeds well on almost any soil not water sogged and affords good, quick nutritious grazing. If alone, requires 1½ bus. per acre. In mixture, from 2 to 3 pecks per acre.

**TALL MEADOW OAT GRASS** (*Arrhenatherum elatius*). 11 lbs. per bu. A very fine grass which is suitable for upland soils and especially valuable for mixture with Orchard Grass. It ripens about the same time and forms a better sod. Cut when in bloom it is very nutritious and it affords wonderful amount of pasturage. Requires alone 1½ to 2 bus. per acre; in mixture from ½ to ¾ bu.

**TIMOTHY** (*Phleum pratense*). 45 lbs. per bu. It is the most desirable of all grasses for hay but should not be grazed as the tramping of cattle hoofs causes it to die. In this section Timothy is best suited to low, flat or alluvial soils where there is a fair amount of moisture, but does not grow well in water-sogged soil. Requires alone, 1 peck per acre; if with Clover, 8 lbs. Timothy and 5 to 6 lbs. of Clover.

**PRICES ON ALL GRASS SEEDS**  
Are subject to market changes. We will be pleased to quote firm prices on request. Orders entrusted to us will be filled at the lowest price on the day received.



Dianthus, Westwood Beauty

## New and Better Flowers

### 1509 Marigold, Real Gold

Bronze Medal, All-America Selections, 1945

Largest of all Carnation Marigolds, with giant exhibition blooms  $4\frac{1}{2}$  inches and more across, very deep, very double, golden orange illumined with yellow. Plants grow 20 to 25 inches tall. Ideal for bedding. **Pkt., 20c.**

### 1510 Marigold, Mammoth Mum

The new Mammoth Mum is a Chrysanthemum-Flowered Marigold, early to flower in  $2\frac{1}{2}$  months from seed. Flowers  $3\frac{1}{2}$  inches and more across and 2 inches deep, make it the largest Chrysanthemum-Flowered Marigold. Sulphur-yellow blooms are borne profusely on upright plants. 30 inches tall.

A row of Mammoth Mums in the vegetable or cutting garden, besides being a rich source of cut flowers, may well be one of the most striking plantings of the season. **Pkt., 20c.**

### 1511 America All-Double Petunia

Flowers are rose-pink, of medium size, 2 inches and more across. Plants are very compact and uniform in growth, 1 foot in height and 18 inches in width. America All-Double is among the first of the Petunias to bloom and will continue to flower until frost. It is of easy culture and vigorous growth. **Pkt., 50c.**

### 1512 "English Violet" Petunia

A new and much more pleasing shade of violet-blue Petunia, different from any of the other mid-blue varieties. It is almost the same beautiful color as English Violets. All the flowers on a plant are the same shade and hold this uniform color from the time they first open until the last bloom. What is more, every plant is the same. The plants normally grow 15 to 18 inches tall and are very similar in type to Hybrida Nana, Blue Bedder, Snowball, Rosy Morn, etc. **Pkt., 20c.**

### 1513 Double Annual China Pinks, Fireball

An extra double, brilliant dark red, old-fashioned, fragrant Pink. Seed sown in spring will bloom quickly and continue until frost. Height 1 foot. **Pkt., 15c.**

### 1514 Single Annual Pinks, Gayety

Large, single, fringed flowers in a wide range of lovely colors, blooming over a long period. Height 1 ft. **Pkt., 15c.**

### 1501 Petunia, All Double Colossal Shades of Rose

Silver Medal All-America Selection, 1946.

Gorgeous Petunias produced on heavy stems, foliage very luxurious. Height 18 in. Under good cultivation the huge flowers will measure from 4 to 5 in. across. Color shades from light and salmon-pink to mostly deep pinks and purplish rose. **Pkt., \$1.00.**

### 1502 Petunia, Bright Eyes

Bronze Medal All-America Selection, 1946

Dwarf, compact, and upright, growing about 10 in. tall, covered the entire summer with small plain-petaled flowers,  $1\frac{1}{2}$  in. across. Rosy pink with white towards the throat. Good for bedding, edging, window boxes or rockeries. **Pkt., 25c.**

### 1503 Petunia, Peach Red

Honorable Mention All-America Selection, 1946

Unique color of rich salmon-cerise, growing 15 in. or taller, of strong luxuriant growth, flowers are plain petaled, of medium size, 2 in. or more across, and borne freely throughout the entire season. A new color in Petunias. **Pkt., 25c.**

### 1504 Dianthus, Westwood Beauty

Honorable Mention All-America Selection, 1946

It grows 10 to 15 in. tall and colors range from fiery crimson-red to a deep velvety red, with occasional segregates of a lighter shade. Easily grown annual—blooms early and stands the heat well. **Pkt., 25c.**

### 1505 Larkspur, Giant Imperial, Brilliant Rose

1946 Introduction

It is a startling, yet warm, color; a deep salmon-rose suffused brilliant carmine, a lighter yet more solid and clearer color than Carmine King or Dazzler. The large, round, fully double flowers are closely packed on long-tapering spikes. Each plant is neat and compact, and averages  $4\frac{1}{2}$  feet tall with laterals branching from the base in great profusion. This attractive new Larkspur should prove equally valuable both for florists' use and the home garden. **Pkt., 20c.**

### 1506 Victory Marigold

A Carnation-flowered Marigold of a charming light golden or yellowish orange color. Victory Marigolds are highly prized for cutting; they grow 3 to  $3\frac{1}{2}$  inches across and are freely borne on strong, vigorous stems up to 18 inches in length. Plants are uniform in their upright habit of growth, 2 feet tall, and the same in spread. Its keeping qualities are excellent. **Pkt., 20c.**

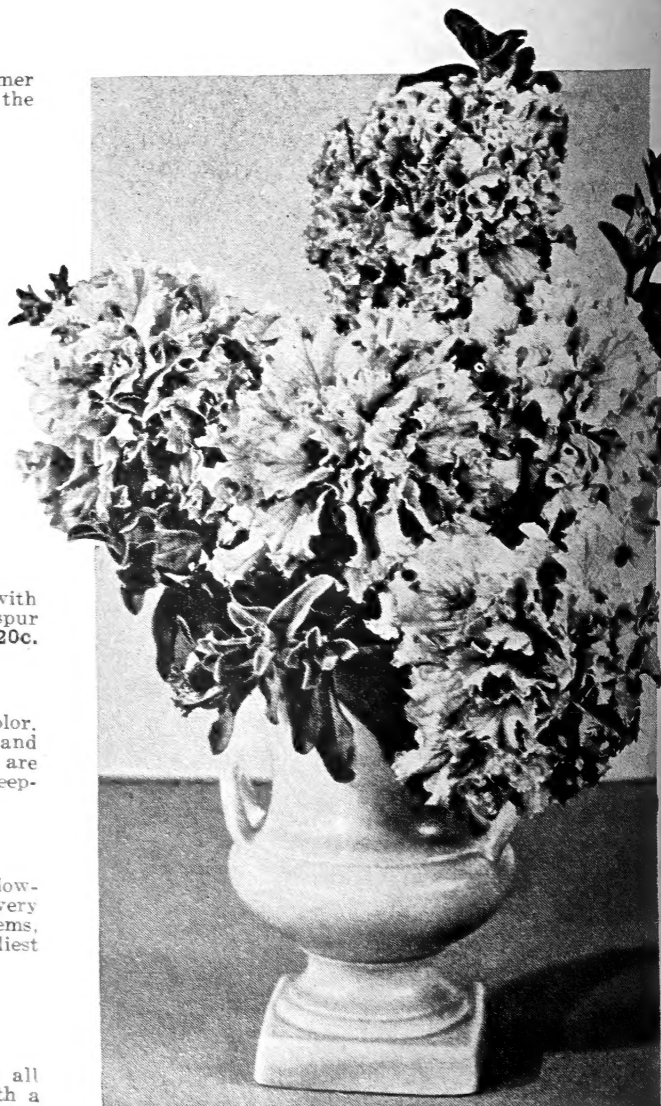
### 1507 Aster, Extra Early Giant, Navy Blue

This Aster appears to be very early with large, four-inch, long-petaled, double flowers of deep purple-blue, described as blackish blue. It is quite true to type and very uniform. The plants are 12 to 20 inches tall, with average of 10-inch cutting stems, which are straight and strong. This new Aster will prove valuable, as it is the earliest in the large-flowering class. **Pkt., 15c.**

### 1508 Marigold, Flash

Silver Medal, All-America Selections, 1945

Earliest of all Marigolds, blooms in eight weeks from seed, continues profusely all summer and fall. Colors range from vivid red through bronze and tangerine, with a few yellows. Most uniform in plant habit. A French hybrid, with flowers  $1\frac{3}{4}$  inches and more across. Plants grow 18 inches tall. **Pkt., 20c.**



Petunia, Colossal Shades of Rose



# McCullough's Flower Seed Collections

## No. 2901

### A Restful Blue Garden

10 Packets—All Blue

Ageratum Didiscus Nigella  
Anchusa Larkspur Petunia  
Cornflower Nemophila Scabiosa  
Cynoglossum

Value \$1.20. **90c**  
FOR ONLY

## No. 2902

### Dwarf Zinnia Collection

5 Distinct Varieties

Including Tom Thumb, Early Wonder, Mexican, Fantasy, and the Navajo.

Value 65c. **45c**  
FOR ONLY

## No. 2903 - McCullough's Old-Fashioned Garden

10 Distinct Flowers

Balsam Mignonette Scabiosa  
Candytuft Nicotiana Sweet William  
Baby's Breath Pinks Verbena  
Heliotrope

Value \$1.20. **90c**  
FOR ONLY

## No. 2904 - McCullough's Marigold Garden

7 Distinct Kinds

Including Tall, Semi-Tall, Dwarf, the French, African, Carnationed-Flowered and Chrysanthemum-Flowered types. 7 packets.

Value 75c. **50c**  
FOR ONLY

## Collection No. 2905

12 Packets

Most Popular Annual Flowers

Alyssum Larkspur Shirley Poppy  
Aster Marigold Snapdragon  
Candytuft Petunia Zinnia  
Cornflower  
Calendula  
Hunnemannia

Value \$1.50. **\$1.00**  
FOR ONLY

## Collection No. 2906

12 Packets

Annual Flowers for the Rock Garden

Ageratum Marigold, Dwarf Myosotis  
Alyssum Portulaca, Single Mixed Sanvitalia  
Brachycome Zinnia, Tom Thumb Tagetes  
Candytuft  
Dianthus  
Iceplant

Value \$1.40. **\$1.00**  
FOR ONLY

## No. 2907 - McCullough's Petunia Garden

10 Packets

All colors; also Bedding, Dwarf and Balcony types.

Value \$1.40. **\$1.00**  
FOR ONLY

## Collection No. 2908

12 Packets

Annuals for Cut Flowers

Snapdragon Strawflower Stocks  
African Daisy Marigold Tithonia  
Aster Scabiosa Zinnia, Giant  
Calendula  
Cosmos  
Baby's Breath

Value \$1.50. **\$1.00**  
FOR ONLY

## Collection No. 2909

12 Packets

Annual Flowers for Shady Garden

Alyssum Cornflower Nemophila  
Snapdragon Godetia Nicotiana  
Balsam Lupines Petunia  
Clarkia  
California Poppy  
Chinese Forget-Me-Not

Value \$1.50. **\$1.00**  
FOR ONLY

## PREPARED CULINARY HERBS

### HERB VINEGARS

These vinegars are made with fresh herbs infused in vinegar. After many weeks infusion the flavored vinegars are strained, filtered, and sealed in attractive glass jars. A handy way to add these flavors to salad dressing, sauces, meats, pickles, etc.

**BASIL VINEGAR.** A spicy flavor.  
**CHIVES VINEGAR.** A delicate onion-like flavor.  
**DILL VINEGAR.** A strong dill flavor.  
**FENNEL VINEGAR.** Anise-like flavor.  
**GARLIC VINEGAR.** Garlic flavor.  
**MINT VINEGAR.** A basis for mint sauces.  
**TARRAGON VINEGAR.** Much used in fine cooking.

A handy glass jar of any of the above (about 4 ozs.), per jar, 25c.

**SAMPLER BOX.** Contains usable quantities of 12 different herbs and blends—basil, lovage, mint, sage, tarragon, thyme, and poultry seasoning, fish herbs, omelet herbs, salad herbs, savory meat herbs and tomato herbs—in packets with suggestions for their use. **Per box, \$1.00.**

**HERBS IN POTTERY.** Attractive hand-made small pottery jars, brown with an old-time crackle glaze, each containing about ½ ounce herbs and blends. Each jar packed in gift box. **Per box, 60c.**

**PREPARED HERBS.** Packed in glassine envelopes. Your choice of the following: Basil, lemon-basil, bay leaves, celery, chives, dill, fennel, lovage, mint, apple mint, orange mint, pineapple mint, oregano, parsley, rosemary, sage, savory, sorrel, thyme. **Per pkt., 20c; 3 for 50c.**

**FRAGRANCE JARS OF HAND-MADE POTTERY.** Large attractive hand-made pottery jars, brown with an old-time crackle glaze, filled with your choice of Sweet Lavender or Garden of Roses. **Per jar, packed in gift box, \$1.25.**

### HERBS:

Their Culture and Uses.

By Rosetta E. Clarkson  
226 pages, 107 identification drawings.

Price, **\$2.75, postpaid.**

## GARDEN HERBS for FRAGRANCE and SEASONING

In past years herbs were imported from the Balkans and Russia, and to a large extent, from Europe. Because of the war, these imports have almost ceased and our stock of herbs is fast dwindling away. We now realize we must grow our own herbs.

Any odd corner in your garden will do, provided it is sunny, and well drained, and the soil not too hard and poor.

**ANISE.** Annual. Slow growing. Used for garnishing, seasoning and cordials, as well as pastry. **Pkt., 20c.**

**BASIL, SWEET.** Annual. The leaves are used in vinegar, soup, stew, salad, with cottage cheese, in egg or tomato dishes, chopped meat, sausage, in butter sauce for fish, sprinkled over peas or boiled potato and in vegetable juice cocktails. **Pkt., 20c.**

**BORAGE.** Annual. Young leaves cooked as greens, in salads and pickles, and are also added to lemonade and other cooling drinks. **Pkt., 20c.**

**CHERVIL.** Curled leaves of chervil very much resemble those of parsley and are used in a similar way. **Pkt., 15c.**

**CHICORY, WITLOOF (French Endive).** Sow in spring like parsnips. Roots are lifted in fall, trimmed and planted during winter in a box or trench in a cellar or under a greenhouse bench, so that the neck of the root is 9 inches below the top. Fill level with sandy soil, sand, or manure; the familiar white salad appears in about a month. **Pkt., 20c.**

**CHIVES.** Perennial. Tops are used in soup, soft cheese, salad, vegetable cocktails and omelets, chopped very finely and added to mashed potatoes. A mild onion flavor. **Pkt., 15c.**

**CORIANDER.** Annual. Seeds fragrant, becoming more so as they dry; powdered or ground and used as flavoring in breads, candies, liquors, cake, baked apple, sausage, frankfurter, cheese sauce for poultry stuffing, and in beet vinegar. **Pkt., 15c.**

**CRESS.** Annual. Quick growing plant, which adds that much craved peppery taste to salads. **Pkt., 15c.**

**DILL.** Annual. Used for seasoning pickles, soups, sauces, potato salad, sprinkled over steaks and chops. **Pkt., 10c; oz., 25c.**

**FLORENCE FENNEL.** Annual. The bulbous base is eaten raw or boiled, used in fish sauces. Stems are cut and eaten like celery. The seeds are used in flavoring. **Pkt., 20c.**

**LAVENDER, VERA.** Perennial. Flowers are dried and placed in the linen closet. Very fragrant. **Pkt., 25c.**

**LOVAGE.** Perennial. A rich celery-like flavor, with a lingering nutty after flavor. Used in many ways—delightful in soups, sauces, salads, stews; combines well with other herbs. **Pkt., 35c.**

**SAGE.** Perennial. Strongly flavored old-time favorite, used in sausage, poultry seasoning, and many other ways. **Pkt., 25c.**

**SUMMER SAVORY.** Annual. Leaves are used in salad sauce, meat dishes, sausage, poultry stuffing, scrambled eggs, soup and string beans. **Pkt., 25c.**

## THE Perfect GIFT PACKAGE



★ Contains 5 airtight glass jars of selected, fresh, dehydrated herbs that add savor to all cooking: rosemary, sweet basil, marjoram, thyme, mint.

★ Each package includes a booklet of 40 recipes that tells "HOW TO MAKE EVERYTHING TASTE BETTER".

**\$1.00**  
**Per**  
**SET**

**40 RECIPES**

★ The perfect gift for showers, birthdays, anniversaries, various holidays and many other occasions.

## No. 2910 - Plant An Herb Garden

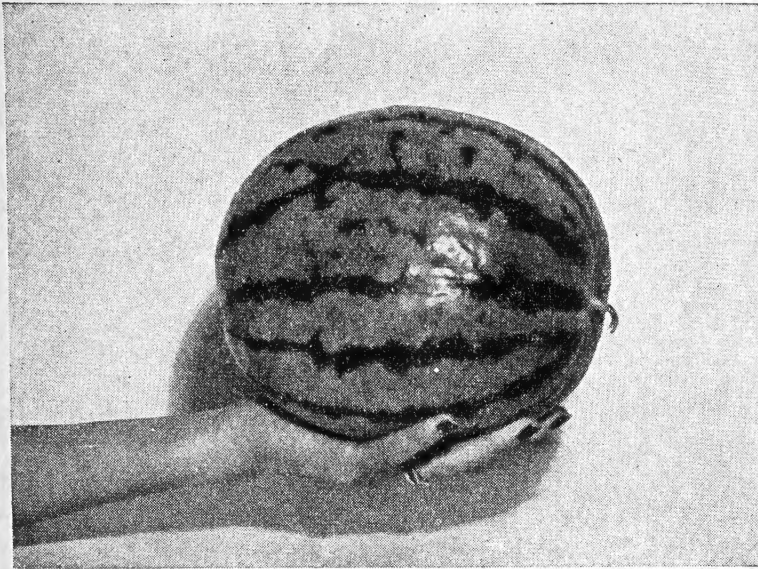
SPECIAL COLLECTION OFFER — 10 PACKETS HERB SEED

Basil Chicory Dill Parsley Sage  
Chervil Cress Fennel Thyme Summer Savory

Value \$1.45. **\$1.10**  
FOR ONLY



# New and Better Vegetables



Icebox Watermelon

## Valiant Tomato

(New). Large-Fruited Early Type

(67 days.) This new variety has now taken the place of the old Earliana in many sections. It ripens three or four days later but has so much larger and finer fruit that this difference is usually not important. The fruit is smooth, deep, nearly round in shape and of good interior structure; it colors up much better than Earliana, and the early yields are very heavy.

The vines are of spreading habit of growth and do best when well fertilized and grown on fairly heavy soil. Valiant has already proved to be a most popular and profitable variety for early market. Pkt., 15c.

## Stokesdale Tomato

Heavy Yielding Medium Early Type

(70 days.) Ripening at the same time as John Baer, this excellent variety has proved to be well adapted for market, shipping and canning. The fruit is medium sized, with a very uniform smooth, deep globe shape, bright scarlet color and fine quality. The fruit ripens evenly and is very free of cracks and blemishes.

The yields are extremely heavy and the vines are strong and vigorous, making it one of the most dependable kinds to grow. Our strain is by far the best obtainable. Pkt., 15c.

## Fordhook Fancy Mustard

(40 days.) Dark green, deeply curled and fringed leaves curving backward like ostrich plumes. Of mild flavor; splendid for greens or salads. Pkt., 10c; oz., 25c; ¼ lb., 75c.

## Dwarf Sulphur or Brimstone Beans

(55 days.) About 12 inches high, erect growth. The pod is green, 3½ to 4 inches long, semi-round, and very much like Burpee's Stringless in shape, except that the point is long. Pkt., 15c; ½ lb., 30c; lb., 50c; 5 lbs., \$2.25.

## Oak-Leaved Lettuce

(40 days.) This excellent variety is noted for its ability to withstand hot weather without turning bitter. Leaves are smooth and lobed to resemble the leaf of an oak tree, deep green and tender. Pkt., 20c; oz., 60c; ¼ lb., \$1.75.

## Bibb Lettuce

A loose waxy head variety with very deep green outer leaves, bleaching to a rich yellowish green inside. Heads medium size, unusually crisp and tender, and of a distinct flavor. Very popular for family gardens, high class hotel and restaurant trade. One of the best winter forcing varieties. Pkt., 20c; ½ oz., 30c; oz., 50c; ¼ lb., \$1.50.

## Icebox Watermelon

Just a Handful of Watermelon

This new variety of midget Watermelon is about the size of a Honey Dew Muskmelon and will weigh about 5 lbs. It can be compared to the size of the average bowling ball. This is about the best size, perfectly round and smooth.

This Melon originally came from Manchuria, and as Manchuria is a cold country they necessarily are extraordinarily early. This fact is of tremendous importance.

They are unbelievably prolific. They have plant vigor, the rind is thin and strong, the flesh is a flashy red, with black seeds, which makes a nice picture when set for you on the table.

Think of yourself, in going home after a hard day's work. You hesitate at your corner grocery store to lug home a 30-lb. Watermelon under your arm or out to the car. You are fearful of breaking it and when you get it home you know that it cannot be consumed at one sitting. If held over until the following day it has lost some of its attractiveness and taste. The remaining part is too large to fit into the average refrigerator. The large watermelon then becomes a nuisance, messy, whereas the Icebox or Individual Watermelon is easily consumed at one sitting, one-half to each person being sufficient. Pkt., 20c.

## Lincoln Corn

(83 days.) An early midseason hybrid yellow Corn developed at the Connecticut Agricultural Experiment Station. Ears are large, 8 to 9 inches long, tapering, well covered with husk, and have 12 to 16 rows of bright golden kernels of good quality. Tall grower. Desirable for home and market. Ears well filled. Pkt., 15c; ½ lb., 40c; lb., 70c; 5 lbs., \$3.00.

## Stowell's Evergreen Hybrid Corn

(90 days.) Ears 7½ to 8½ inches long, with 14 to 18 rows of deep, narrow, white kernels which are tender and very sweet. Recommended for home or market garden as well as for canning. 8 to 10 feet tall. Differs from open pollinated Stowell's Evergreen in having a smaller ear, narrower and deeper kernels and greater uniformity of maturity. The ears are about 2 inches across at the butt and taper slightly. Pkt., 15c; ½ lb., 40c; lb., 70c; 5 lbs., \$3.00.

## Aunt Mary Sweet Corn

(90 days.) A white Sweet Corn that is extremely sweet and tender. Kernels are large and easy to take from the cob. Average 10 rows to the ear. The stalk is very vigorous, medium to long season in maturing the ears which are very long. Every stalk will produce two eatable ears. It is not subject to Stewart's Disease. Outstanding in quality of Corn, vigor of stalk growth, and lasting tenderness of extra sweet Corn. We recommend this variety. Pkt., 15c; ½ lb., 25c; lb., 45c; 5 lbs., \$2.00.



Bibb Lettuce

## PERMANENT VEGETABLES THAT SHOULD BE IN EVERY GARDEN

Your first consideration in preparing a complete vegetable garden should be the planting of permanent crops such as asparagus, rhubarb, and perennial onions. We suggest that you set aside a space at one end of your garden plot, or in any other suitable location where they can grow undisturbed without interfering with the working of annual crops.

### Asparagus

**Fresh Dug Asparagus Roots** Roots can be set from February to May, or in the fall, in October or November. 100 roots plant a bed 100 feet long and are sufficient for a medium garden. An acre requires 4000 to 7000 roots.

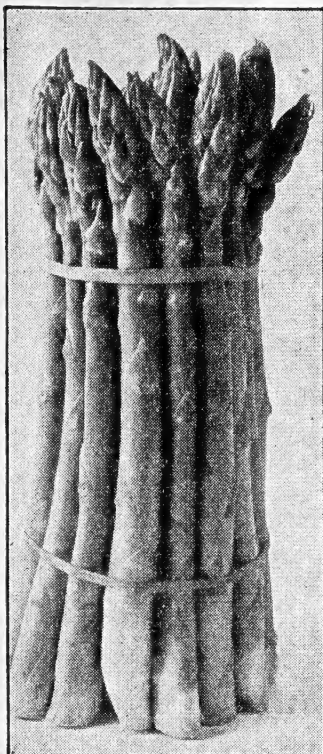
**GROWING ASPARAGUS.** It is only necessary to set out the roots on good soil and give them ordinary care to keep weeds down, etc. No special preparation of the land is necessary. It should be plowed or spaded deep and worked down well, and should be enriched by applying a heavy dressing of manure, which should be plowed or spaded in. The roots are set out 18 to 24 inches apart in rows about 4 feet apart. 100 roots make a good bed, but more should be set out for a large family. Cutting may commence the third year after setting out the roots. A small cutting may be made the second year if not continued more than two weeks.

**PARADISE ASPARAGUS.** Produces a normal crop one year earlier than any other variety. Growers who have seen this Asparagus growing have been amazed to see the straight, crisp, large stalks that were produced from plants set only the year before. An exceptionally strong, vigorous producer. Some growers say it produces twice the crop of ordinary Asparagus. Only six to eight stalks needed to make a pound. This variety is every bit as rust-resistant as the Martha Washington. Has an unusually pleasant, milder flavor than ordinary Asparagus and is preferred by most who taste it. With today's trend of freezing vegetables for the market, it has another distinct advantage because it retains its fresh flavor after freezing. Because it brings returns one year earlier and because of its great size, large crop, and fine, mild flavor, this NEW variety will quickly supersede all others for home-garden use, commercial production and shippers. **2-year roots, 25 for \$1.65; 100 for \$5.00, postpaid.**

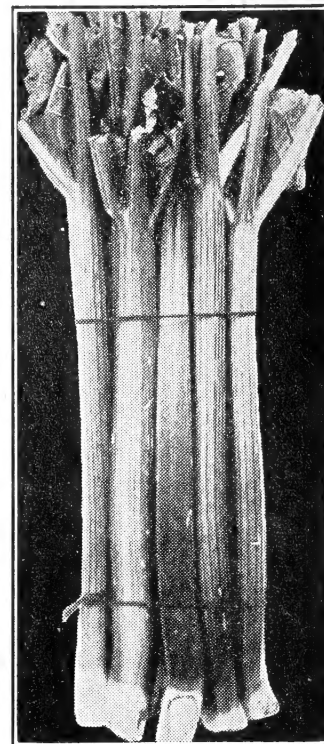
**WASHINGTON.** This variety has proven as nearly rust-proof as is possible to produce Asparagus. It is much in demand on account of its heavy yield and fine flavor. The stalks are rich, dark green color, tinted darker at tips. **2-year roots, 25 for \$1.50; 100 for \$4.25, postpaid.**

### Garlic

Used for flavoring. The bulbs are divided into "cloves" or flakes and set out like onion sets about 4 inches apart in the row, and covered 2 inches deep. When the tops die down, take up the bulbs and dry in a shady place. **Bulbs only. 1/2 lb., 45c; 1 lb., 75c.**



Asparagus, Paradise



Rhubarb, Canada Red

## Rhubarb is Healthful

Rhubarb can be grown from seed sown in the spring and then planted to their permanent place the following spring. Seedlings do not always reproduce true to type. The plants which produce the thickest and longest stalks should be used, the balance being discarded.

**Rhubarb roots:** Set in the spring 3 feet apart each way in good, moist, deep, very mellow and well-manured soil. The Rhubarb stalks will then be ready for use the following spring.

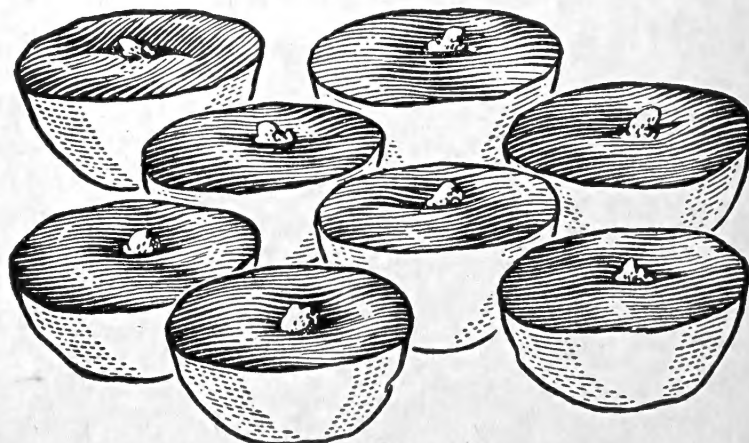
**CANADA RED.** A new Rhubarb imported from Canada. Stems dark red clear to heart and up in the leaf. Produces the sweetest and finest flavored, most beautiful red sauce. **Strong divisions, 75c each.**

**MacDONALD RED RHUBARB.** MacDonald is a popular new strain of Rhubarb. The attractive features are the new bright red color combination and a quick growth that will surprise you. It produces so quickly that you can cut stalks from it a year sooner than you can from the old style green-stalked varieties. Another great improvement in the new MacDonald is its excellent quality, sweeter than common Rhubarb and requiring less sugar. Low acidity. Thin skin. Plant some of this splendid red Rhubarb this year. It yields heavily and lasts a lifetime. When once you have tried MacDonald you will grow no other. **Strong divisions, 50c each.**

## Cobbler Potato Seed Sets

A new, handy, easy-to-plant form; no mess, no waste; no cutting; ready to plant. Packed 100 sets in a wax-coated carton. Treated for disease. Full directions on every package. Each package of 100 seed sets, size 1 inch by 1 inch, equivalent to one peck of seed potatoes. Will plant 1 row 100 feet long.

**Price: Per box of 100 sets, \$1.49.**







# McCullough's Seeds of Annual Flowers

The life of the true Annual does not extend longer than one season. Itself the product of a seed, the plant produces flowers, ripens its seed and perishes in the same year. They have many advantages. The seeds of Annuals are inexpensive, the flowers can be enjoyed both by the home renter as well as the home owner. Because of their short period of growth, they can be used to fill up gaps in the Perennial border and to succeed plantings of spring-blooming bulbs, such as Tulips, Hyacinths, etc. Annuals have a delicate beauty all their own and no plants surpass them in brilliancy for summer display. They furnish material for a whole garden, as well as cut flowers for home decoration. A succession of bloom may be had by occasional sowing of many sorts, such as Alyssum, Candytuft, Eschscholtzia, Zinnias, etc. In the latitude of Cincinnati, Ohio, these sowings may be made as late as July 1st to 15th. Another method now being used is the autumn planting of Annual seeds for early spring bloom, such as Cornflowers, Gypsophila, Larkspur, Petunias, etc. This year we have segregated the flower seeds, placing Annuals in one group, followed by Perennials and Vines. Consult the index if in doubt.

NOTE: We send out no untested seed and when failure occurs, we invariably find that the seed has been planted too deep or the soil has been permitted to become excessively dry, or the reverse, while germination is taking place.

Seeds of Annuals, unless otherwise noted, should be started indoors in a light, sifted soil with sand and humus or clean leaf-mold added. Water soil thoroughly, allow to drain, then sow seed thinly in rows. Cover with paper or glass to conserve moisture. Plant out when all danger of frost has passed. May also be sown where they are to flower, thinning out the young plants later.

All varieties marked with an ® throughout the list of Annual flower seeds are especially suitable for the rock garden.

## Ageratum - Floss Flower

One of the best bedding plants, being literally a sheet of bloom from early summer till frost. Easily raised from seed started in a hotbed and in May transferred to the garden, 4 to 6 inches apart. Can also be sown outdoors in May.

®401 **MIDGET BLUE.** Very dwarf, growing 2 to 3 inches high with delicate, fine foliage, practically smothered with small, true Ageratum-blue flowers. Awarded a Silver Medal in the 1939 All-America Trials. **Pkt., 15c.**

®402 **DWARF BLUE BEDDER.** Hardy annual. Average height 4 inches. Comes very true from seed. Its habits, both flower and foliage, are very uniform. Plants are very dwarf and compact and are covered with large, deep lavender-blue flowers. **Pkt., 15c.**

403 **BLUE PERFECTION.** Large heads of deep blue flowers in abundance. Fine for cutting. Height 12 inches.  $\frac{1}{4}$  oz., 25c; pkt., 15c.

®404 **FAIRY PINK.** A dwarf compact Ageratum of a delightful soft salmon-rose-pink color. Height 5 inches. **Pkt., 15c.**

## Alyssum

A fragrant edging plant with small, white flowers in great profusion throughout the summer and autumn. Useful for borders and window boxes. For Alyssum saxatile, see Perennial List.

®405 **CARPET OF SNOW.** Of creeping habit, forming a dense carpet of beautiful white flowers. Height 4 inches.  $\frac{1}{4}$  oz., 30c; pkt., 10c.

®406 **TOM THUMB (Little Gem).** A splendid sort for edges, borders or rock work. Height about 6 inches. A compact mass of bloom 12 to 15 inches across.  $\frac{1}{4}$  oz., 25c; 1 oz., 75c; pkt., 10c.

407 **SWEET.** Height about 8 to 10 inches but spreading. **Oz., 50c; pkt., 10c.**

408 **VIOLET QUEEN.** From the original white form of Alyssum some colored varieties have been developed, but none of a very decided shade. The flowers of Violet Queen are very bright violet holding its color well in the hot sun.  $\frac{1}{4}$  oz., 45c; pkt., 15c.

**SAXATILE COMPACTUM.** See perennial page 22.

## Amaranthus

Effective plants because of their brilliantly colored foliage. Flowers are interesting. Best in sunny positions on rather poor soil.

409 **MOLTEN FIRE.** Brilliant Poinsettia-like tips. **Pkt., 15c.**

410 **TRICOLOR (Joseph's Coat).** 2½ ft. The inner foliage is of blackest bronze, tipped with green, the outer bright scarlet and gold. **Pkt., 10c.**

## Anchusa

411 **BLUE BIRD.** A dwarf compact type, 18 inches high, with indigo-blue blossoms. Blooms freely during late spring and summer.  $\frac{1}{4}$  oz., 30c; pkt., 10c. For Anchusa Italica, see Perennial List, page 22.

It is a pleasure to watch the birds feed at your window or the feedery in your garden. See page 56 for Wild Bird Feeders, Houses, and Seed.



# Gorgeous Snapdragons

## (Antirrhinum)

Snapdragons have been amazingly improved in size and color. They are hardy and should be sown early, as they germinate slowly. Unless very rich soil is provided and all plants are staked, the dwarf and semi-tall class will be most satisfactory in the garden. They are effective in beds of solid color, and require full sun. Keep seed pods picked off. If intended for winter flowering, cut back in September.

### Rust-Resistant Snapdragons

The introduction of the New \*Rust-Proof Snapdragon should be welcome news to the gardener who finds the Snapdragon among his garden favorites.

It will be a joy to see these plants with their clean healthy foliage free from rust.

\*Rust is that disease which causes a burned or blighted appearance on the foliage.

### Rust-Resistant Super Majestic Snapdragons

A superb mixture of Majestic Snapdragons containing a fine range of color. This mixture contains many rare and new colors in Snapdragons that have not been introduced to date. This new group is superb as a cut flower, for bedding and all other purposes in the garden.

413 MIXED. Pkt., 15c; 1/16 oz., 40c.

### Antirrhinum Rust-Resistant Maximum

In habit these are tall and the individual flowers are very large. Approximately 3 feet high.

414 ALASKA (Snowflake). Pure white.

415 CAMPFIRE. Luminous scarlet.

416 CANARY BIRD. Canary-yellow.

417 COPPER KING. Copper-orange to gold.

418 RED CROSS. Crimson, with white tube.

419 ROSALIE. Rich deep rose toned topaz or amber.

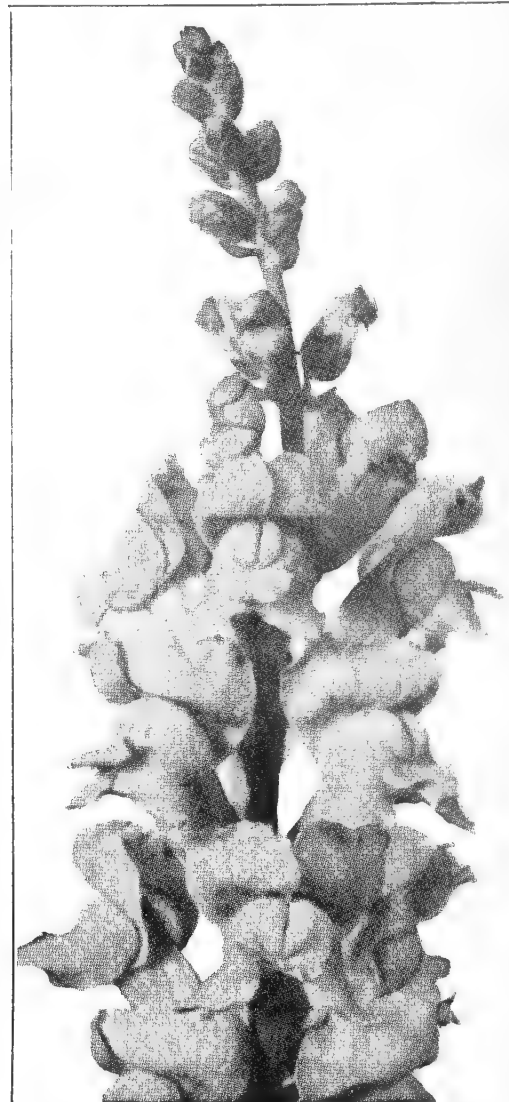
420 SWING TIME. Rose-pink.

421 YELLOW GIANT. Deep yellow.

Any of the above Maximum varieties: Pkt., 15c; 1/8 oz., 70c.

422 MAXIMUM MIXED. Pkt., 15c; 1/8 oz., 70c.

**Semesan  
or  
Formicide  
Insures Good  
Seed  
Germination  
See pages  
59, 60 and 61**



Majestic Snapdragons

### Antirrhinum Rust-Resistant Majus Grandiflorum

Approximately 2 feet high.

423 MIXED. All shades. Pkt., 15c; 1/8 oz., 50c.

### Antirrhinum Rust-Resistant Nanum Grandiflorum

Approximately 1-1 1/2 feet high.

424 APPLE BLOSSOM. Pink.

425 DU BARRY. Salmon-rose.

426 GYPSY GIRL. Carmine with yellow nose.

427 INDIAN GIRL. Beautiful old gold.

428 RED BOY. Rich deep scarlet.

429 WILDFIRE. Bright orange-scarlet.

Any of the above Nanum Grandiflorum varieties: Pkt., 15c; 1/8 oz., 50c.

430 NANUM GRANDIFLORUM MIXED. Pkt., 15c; 1/8 oz., 50c.

431 ANTIRRHINUM UNIVERSITY OF CALIFORNIA MIXTURE. An excellent mixture of rust-proof Antirrhinums similar to the Majus Grandiflorum, containing a range of popular colors. Winner of certificate of honor in 1935. All-America selection. Pkt., 15c; 1/8 oz., 50c.

### Arctotis

(Blue-eyed African Daisy)

432 GRANDIS. Forms much branched bushes 2 to 3 feet high; its flowers are large and showy, being pure white on the upper surface, the reverse of petals, pale lilac-blue; blooms early in July and continues until hard frost. It delights in a sunny situation. Half-hardy annual. 1/4 oz., 25c; pkt., 10c.

433 ARCTOTIS HYBRIDS. These new hybrids include such lovely shades as pink, red, purple, violet, yellow and orange, all showing the characteristic blue center. Pkt., 15c.

### Five Rust-Resistant Snapdragons

2422 This collection contains 1 packet each: Swing Time, Red Cross, Copper King, Canary Bird, Alaska, (value 75c), for 60c.

AQUILEGIA OR COLUMBINE. See perennial seeds, page 23.

## GREENHOUSE FORCING SNAPDRAGONS

### For Winter and Early Spring Flowering

AFTERGLOW. Attractive deep golden bronze. Pkt., \$1.00.

BERTHA BAUR. Standard lavender. Pkt., \$1.50.

CHEVIOT MAID SUPREME. Standard pink. Pkt., \$1.00.

ETHEL. Deep yellow, exceptionally early. Pkt., \$1.50.

LUCKY STRIKE IMPROVED. White. Pkt., \$1.00.

MARION. White, good habit and fairly early. Pkt., \$1.50.

NEW CINCINNATI. A medium deep rose. Pkt., \$1.00.

PEGGY SCHUMANN. Rose-pink, full spikes. Pkt., \$2.00.

ROSE QUEEN. Deep rose. Pkt., \$1.00.

SCHUMANN'S LAVENDER. A fine lavender for spring. Pkt., \$2.00.

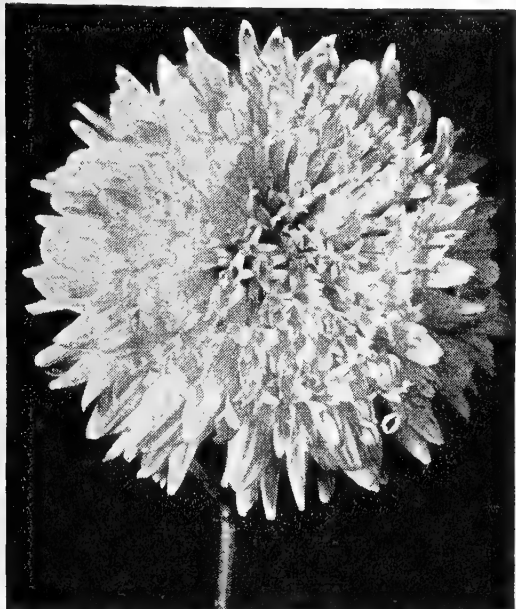
SCHUMANN'S YELLOW. Quite early. Pkt., \$2.00.

## GARDEN HERBS

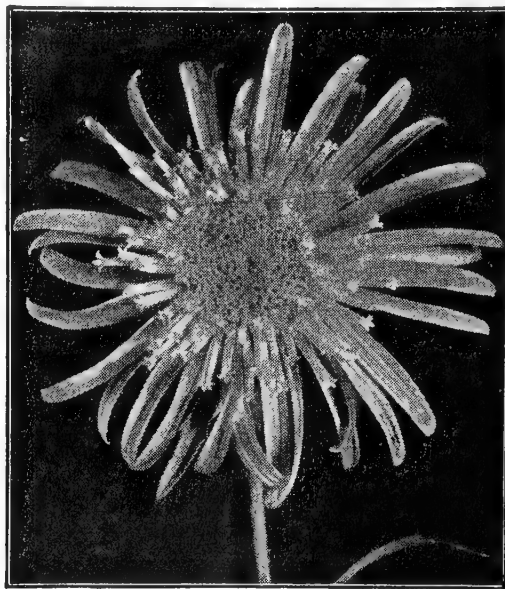
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Fragrance & Seasoning

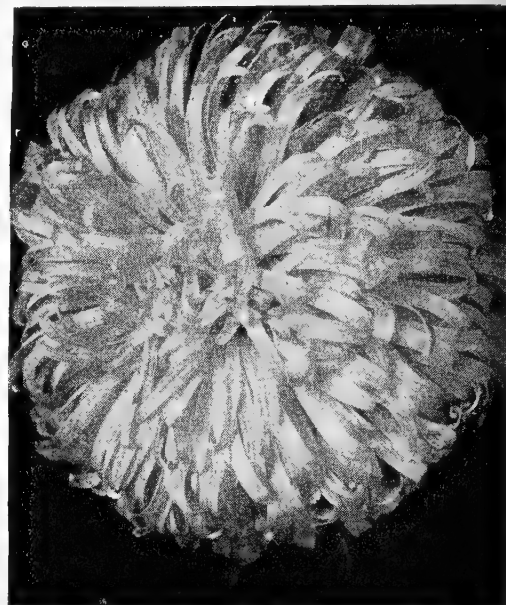
See page 3



Wilt-Resistant Aster, Golden Sheaf



Sunshine Aster



Crego Aster

## McCULLOUGH'S ASTERS — New Types and Wilt-Resistant Strains

Asters are the glory of our gardens in August and September, just when good flowers for cutting and garden display are wanted. To cut Asters abundantly as long as possible, several sowings should be made of the early and late flowering types. To succeed with Asters, sow the seed in flats in the house or hotbed in March. Transplant the seedlings two inches apart in boxes, and when they are large enough to handle, move to permanent beds in May. Make the second sowing in the cold frame the latter part of April, and the third sowing in the open ground about May. Set the plants of the early varieties ten inches apart, and of the later varieties eighteen inches apart. The richer the ground, the better your flowers will be, and water is very necessary.

**SPECIAL NOTE.**—While this lovely fall flower is very easily grown from seed, the greatest possible care should be exercised with the seed-bed. Old soil and boxes should never be used the second time without thoroughly sterilizing, to avoid the numerous diseases to which Asters are susceptible. Barnyard manure should never be employed as a fertilizer; we recommend the use of fine ground bonemeal. Asters should not be grown in the same location two years in succession. Treat soil with Formacide. See pages 58, 59, and 60.

### Early Giant Wilt-Resistant Aster

Finest large-flowered, heavy-stemmed, wilt-resistant Aster yet developed. Flowers are of the large Giants of California type while the plants are less than 2 feet in height. This class is early blooming, coming into flower 4 to 6 weeks earlier than Giants of California, blooming during early or mid-August.

**434 EARLY GIANT MIXED.** All colors. Pkt., 20c.

### Aster (Wilt-Resistant) Golden Sheaf

**435 GOLDEN SHEAF.** Is the deepest yellow Aster yet offered, and the only one that is wilt-resistant. The flowers are fully double with an attractive crest-like center, of good substance and fine depth of petal. Pkt., 15c.

### New Aster Giant California Sunshine

We now offer delightful new colors as well as the mixture in the popular Aster Giant California Sunshine group. These plants grow three feet high and bear blossoms five and six inches across on long, stiff stems.

The dual-tone color effects formed by the quilled disc and the encircling guard petals are lovely beyond description.

**436 GIANT CALIFORNIA SUNSHINE MIXED.** All colors. Pkt., 15c.

### California Giant Asters

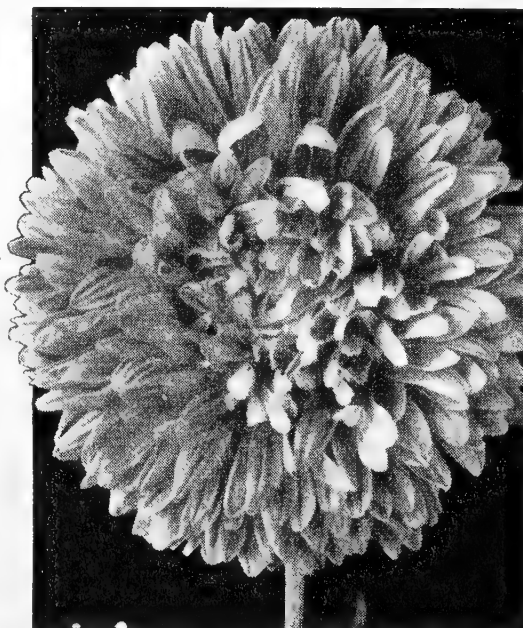
A new variety of the Crego type, with the robust habit of growth and long stems of the Beauty type. The flowers are much larger and more substantial than the Improved Crego. They measure 5 to 6 inches in diameter and stand up well when shipped as cut flowers. Their immense size and beauty, as well as their long and sturdy stems, make them very attractive.

- 437 WHITE.**
- 438 PEACH BLOSSOM.**
- 439 LIGHT BLUE.**
- 440 DEEP ROSE.**
- 441 DARK PURPLE.**

**PRICE:** Any of the above, pkt., 15c;  
½ oz., 50c.

**442 MIXED COLORS.** ½ oz., 50c; pkt., 15c.

**2442 COLLECTION.** One pkt. each of the above 5 colors, 60c.



California Giant

### Heart of France Asters

**443** Brilliant dark red flowers similar to the American Branching in type. Highly wilt resistant. Blooming on strong stems in later August or September. Height 2 feet. ½ oz., 50c; pkt., 15c.

### Wilt-Resistant Asters

Wilt-resistant Asters will successfully solve your past difficulty in growing these beautiful fall flowers. Many gardeners have had to abandon all attempt to grow Asters because of wilt. No practical wilt control has yet been discovered. The following high resistant strains have been developed from plants which through several years of production under severe wilt conditions, have survived untouched. The resultant seed now makes possible perfect fall displays of this popular annual.

### Wilt-Resistant Early Royal Asters

- 444 AZURE-BLUE.** ½ oz., 35c; pkt., 10c.
- 445 DEEP ROSE.** ½ oz., 35c; pkt., 10c.
- 446 PEACH BLOSSOM.** ½ oz., 35c; pkt., 10c.
- 447 PURPLE.** ½ oz., 35c; pkt., 10c.
- 448 WHITE.** ½ oz., 35c; pkt., 10c.
- 449 FINEST MIXED.** ½ oz., 35c; pkt., 10c.

### Wilt-Resistant Crego Asters

- 450 ORCHID.** ½ oz., 35c; pkt., 10c.
- 451 CRIMSON.** ½ oz., 35c; pkt., 10c.
- 452 ENCHANTRESS.** Salmon-rose. ½ oz., 35c; pkt., 10c.
- 453 PEACH BLOSSOM.** ½ oz., 35c; pkt., 10c.
- 454 PINK.** ½ oz., 35c; pkt., 10c.
- 455 PURPLE.** ½ oz., 35c; pkt., 10c.
- 456 WHITE.** ½ oz., 35c; pkt., 10c.
- 457 FINEST MIXED.** ½ oz., 35c; pkt., 10c.

## Balsam - Lady's Slipper

An old-fashioned flower which is generally popular in all gardens. It bears flowers of various shades, white, pink, red, yellow, purple, etc., some of which are beautifully striped and spotted. Hardy annual.

459 **DOUBLE MIXED**. Pkt., 10c; ¼ oz., 30c.

## New Bush Balsam

(Gardenia Flowered)

These bush-type Balsams are carried at the tips of the stems rather than on the side of the stems, making a show of color rather than of foliage; height 8 to 10 inches.

458 **MIXED COLORS**. Pkt., 20c.

**BACHELOR'S BUTTON**. See Centaurea.

**BALSAM APPLE**. See page 30.

**BALSAM PEAR**. See page 30.

## Bartonia

### Blazing Star or Gold Star

460 **AUREA**. A free-blooming and showy hardy annual with large yellow flowers. The foliage is gray and thistle-like, and is exceedingly brilliant in the sunshine. Thrives in a sunny situation, even in poor soil. Should be sown where intended to bloom as it does not transplant well. Height 18 inches. Pkt., 10c; ¼ oz., 25c.

## Begonia

### Everblooming Bedding Varieties

The small, bright flowers are borne in great profusion from summer to autumn. Spring seedlings bloom in summer while summer seedlings make fine house plants for the winter.

461 **CHRISTMAS CHEER**. Red, ever-blooming, with enormous, rich bright cherry-red flowers, often 2 inches in diameter. Pkt., 25c.

462 **INDIAN MAID**. Scarlet with bronze foliage. Pkt., 25c.

463 **CARMEN**. The original bronze-leaved Begonias. Bright rose-pink flowers. Pkt., 25c.

464 **WHITE PEARL**. Clear glistening white. Pkt., 25c.



Balsam

## CALENDULA—Pot Marigold

Easily raised, flower quickly from seed, and bloom without interruption until hard frost. Sow where they are wanted, 2 to 3 seeds together, 12 inches apart, pull out the weakest, leave but 1 plant to grow; or start seed in hotbed in March or April and transplant outdoors in May. Frequently used for winter blooming under glass. Height 12 to 18 inches.

467 **ORANGE KING**. Beautiful rich orange. Full double flowers, borne abundantly throughout the season. Pkt., 10c; oz., 50c.

468 **DOUBLE ART SHADES**. Contains many tones and shades not previously obtainable—delicate apricots, beautiful picotees, orange shades, cream tones—every conceivable tint from pure white through cream and buff to yellow and deep orange. Pkt., 10c; ¼ oz., 25c.

469 **BALL'S ORANGE**. Bright orange flowers, very large, with long stems,

uniformly double. A favorite on the cut-flower market. Pkt., 15c; ¼ oz., 35c.

470 **CAMPFIRE**. (Sensation). Extremely large flowers, carried on long stout stems. The color is a brilliant orange with a scarlet sheen and a full yellow center. Pkt., 15c; ¼ oz., 35c.

471 **LEMON QUEEN**. Rich lemon-yellow. Pkt., 10c; oz., 60c.

472 **MIXED**. All sorts mixed. Pkt., 10c; oz., 50c.

## Brachycome Swan River Daisy

466 **IBERIDIFOLIA**. Mixed. One of the daintiest and most charming little annual flowers imaginable and easy to grow in any soil. The flowers are borne on graceful stems well above the delicate, finely lacinated foliage. They are ideal for low beds and borders, as the plants grow to a height of only 8 to 10 inches. Pkt., 10c; ¼ oz., 25c.

**BLUE LACE FLOWER**. See Didiscus, page 10.

**COREOPSIS** (Perennial Calliopsis). See page 24.

**CALIFORNIA POPPY**. See Eschscholtzia, age 11.

**CAMPANULA** (Canterbury Bells). See page 23.

## Gay Calliopsis

One of the best annuals for beds or borders, producing attractive and graceful flowers on long stems which are most effective and artistic for decoration. They commence blooming early and continue until early fall. Seeds are usually sown outdoors where they are to bloom but can be sown inside and transplanted.

473 **GOLD CREST**. A rich golden yellow with a reddish brown zone. Flowers are 2½ to 3 inches across and are semi-double. Pkt., 10c; ¼ oz., 25c.

474 **DWARF VARIETIES**. Mixed. Valuable for small mixed beds and borders. Pkt., 10c; ¼ oz., 25c.

475 **TALL MIXED**. A splendid mixture comprising many varieties and a great range of colors. Pkt., 10c; ¼ oz., 25c.

**PERENNIAL COREOPSIS**. See page 24.

**CARDINAL CLIMBER**. See page 30.

**CYPRESS VINE**. See page 30.

## Candytuft for Mass Planting

Showy branching plant, fine for edgings, bedding, massing, rockeries or for cutting. For early blooms, sow seed inside in March, making successive sowing outdoors any time from May to July. They thrive in rich soil and should be watered freely.

477 **GIANT HYACINTH-FLOWERED** or **IMPROVED EMPRESS**. A wonderfully improved strain of the popular Empress Candytuft, forming much branched plants about 18 inches high. Makes a very effective white bed or border and is invaluable for cutting. Pkt., 10c; ¼ oz., 25c; oz., 60c.

### UMBELLATA TYPE

Umbellata sorts grow about one foot high, with flowers in umbrella form.

478 **FINEST MIXED**. Comprising all colors and shades. Pkt., 10c; ¼ oz., 25c; oz., 60c.

**PERENNIAL CANDYTUFT**. See Iberis, page 26.

## Canterbury Bells

Bring Spring to the Garden in September

Annual Canterbury Bells will flower in less than six months from seed, will grow two and one-half feet tall, producing six to eight flowering spikes to the plant.

476 **MIXED COLORS**. Pkt., 15c.

## CARNATION

479 **ENFANT DE NICE MIXTURE**.

These are the result of a cross between Carnation Chabaud's Giant Improved and Carnation Perpetual. The plants are of robust, upright habit, with long, strong stalks bearing flowers 2½ to 3 inches in diameter. This strain is magnificent. About 90% of the plants come double. Pkt., 15c.

480 **MARGUERITE**. A very early blooming sort which sometimes blooms in four months from sowing. Flowers are large, double, deeply fringed, very fragrant. Plants semi-dwarf, good for bedding and desirable for cutting. Annual. Finest mixed colors. Pkt., 15c.

**YOU TOO . . . CAN HAVE A  
BEAUTIFUL LAWN!**

(See Inside Front Cover)



Calliopsis



## CENTAUREA

Sow outdoors in April, thin plants to stand ten inches apart, or you may sow seed from September to November for early bloom the following spring.

### Double Flowering Varieties 2 ft.

- 485 **BLUE BOY.** Blue. 487 **PINKIE.** Deep pink.  
 486 **BLACK BOY.** Blackish maroon. 488 **RED BOY.** Deep red.  
 489 **SNOW MAN.** White.

Price, Any of the Above: Pkt., 15c; ¼ oz., 30c.

- 490 **DOUBLE MIXED.** Pkt., 15c; ¼ oz., 30c; oz., 90c.

- 491 **JUBILEE GEM.** Jubilee Gem is a dwarf variety of Cornflower making a compact plant literally covered with flowers. It has foliage distinct from all other Cornflowers, forming a tufted mass of vivid green, contrasting well with the dark but vivid double blue flowers. The plant is about 12 inches in height. Pkt., 15c; ½ oz., 25c.

### Centaurea Imperialis - Royal Sweet Sultan

- 492 **FINEST MIXED.** A wonderful annual for cutting. Long-stemmed, exquisitely fringed and delightfully fragrant. 2 to 3 ft. May until frost. Pkt., 10c; ¼ oz., 30c.

### White-Leaved (Dusty Miller)

- 493 **CANDISSIMA.** Thick silvery white leaves, sow early. Height, 10 inches. Pkt., 15c; ½ oz., 50c.

### Celosia Cristata Nana - Cockscomb

A free bloomer growing best in rather light, not too rich soil. Sow seeds indoors in early spring and plant outdoors in May, or sow seed outdoors in May.

- 481 **GLASGOW PRIZE.** Dwarf crimson. Pkt., 10c.

### Celosia Childsi - Chinese Woolflower

- 483 **MIXTURE.** A distinct type, with large, roundish head and drooping spikelets of flowers which look like an immense ball of wool. All colors. Very showy. Pkt., 10c.

### Celosia Plumosa, Heatherdell

A splendid early flowering. Dwarf Compact Celosia forming bushy plants 12 to 15 inches high.

- 484 **EXHIBITION MIXTURE.** Many fine new shades. Pkt., 15c.

### Didiscus - Blue Lace Flower

- 513 **COERULEUS.** Superb for cut flowers. The long stems terminate in flat clusters of delicate blue flowers not unlike Queen Anne's Lace. Pkt., 10c; ½ oz., 30c.

### Dimorphotheca

#### New African Golden Daisies

Most of us know the African Daisies, sometimes called the Star of the Veldt, and have admired their bright blossoms which appear in daisy-like form 2 to 3 inches across. A showy effect is obtained by using mixed colors of African Daisies, and the dark shades of Bedding Petunias, sowing the seed broadcast or setting out the plants informally, giving the appearance of being broadcast. Delights in a sunny situation.

- 514 **AURANTIACA.** Golden orange, with dark center. Pkt., 10c; ½ oz., 35c.

- 515 **MIXED COLORS.** Varying in colors of white, yellow, salmon and orange. Pkt., 15c.



Dimorphotheca—African Daisy

### Daisies

**Blue-Eyed African Daisy.** See Arctotis, page 7.

**English Daisy.** See Bellis Perennis. Perennial page 23.

**Golden African Daisy.** Dimorphotheca. See at left.

**Shasta Daisy.** See Chrysanthemum. Perennial page 24.

**Marguerite Daisy.** See Anthemis. Perennial page 22.

**Transvaal Daisy.** See Gerbera. Perennial page 26.

**DIGITALIS.** See Perennial page 25.

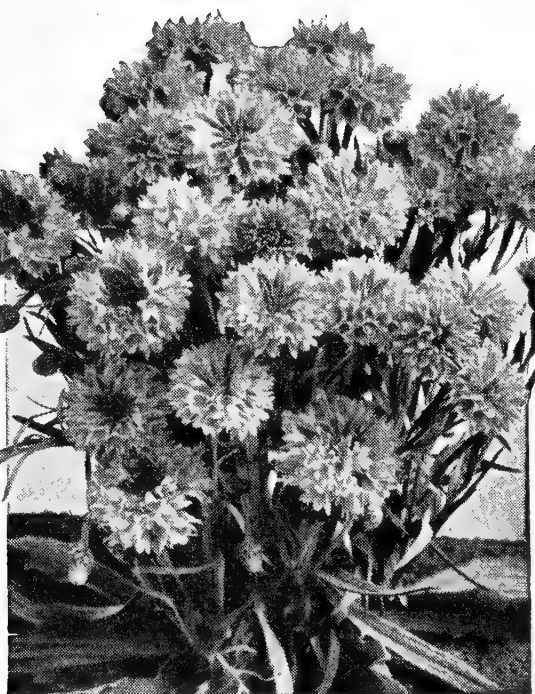
**DELPHINIUM, Annual.** See Larkspur, page 12.

**DELPHINIUM, Perennial.** See page 25.

## HERBS

Give a Pleasing Tang  
to Vegetables

See page 3



Centaurea, Jubilee Gem

### Clarkia

This pretty and easily grown annual has been much improved in recent years, and the mixture offered below is now seen as cut flowers in most of the large cities of Europe. They do well either in sun or shade, growing 2 to 2½ feet high, with leafy racemes of double flowers, which all open in water when cut.

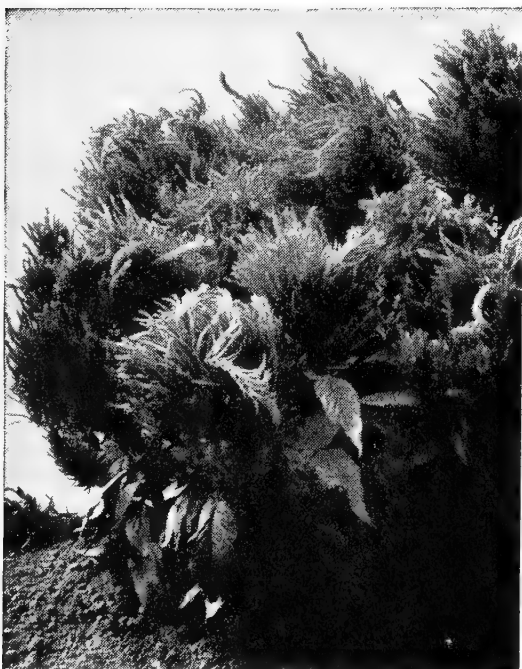
- 494 **ELEGANS DOUBLE MIXED.** Pkt., 15c; ¼ oz., 50c.

### Coleus - Flame Nettle

Fine colored, tender perennial foliage plant for house or garden. Sow indoors in March.

- 495 **FINEST MIXED COLORS.** Pkt., 35c.  
**COLUMBINE.** See Aquilegia, page 23.

**FEED THE WILD BIRDS—THEY  
WILL HELP YOU FIGHT INSECTS  
IN YOUR GARDEN.**



Celosia Plumosa

## Cosmos for Early Autumn Color

Graceful autumn flowers, fine for cutting and extremely showy in the garden. Very easily grown. They do best in rather poor soil.

### Extra Early Sensation

The flowers of this strain are mammoth in size, 4 to 5 inches in diameter, with broad, heavy fluted petals carried on very long strong stems. It is extremely early flowering, blooming in 10 weeks from the time of seeding. The plants make a rather heavy growth of foliage, reach a height of about 4 feet, are free blooming, and while the flowers are unusually large at all times, plants may be disbudded for even larger flowers for the cut flower trade.

496 **DAZZLER**. Crimson. Pkt., 15c; ¼ oz., 35c.

497 **PINKIE**. Clear rose-pink. Pkt., 15c; ¼ oz., 35c.

498 **PURITY**. Pure white, yellow center. Pkt., 15c; ¼ oz., 35c.

499 **MIXED COLORS**. Pkt., 15c; ¼ oz., 35c.

### Tall Late Mammoth Flowering

500 **GIANT MIXED**. Comprises all shades. Pkt., 10c; ¼ oz., 20c.

### Early Double Sensation Cosmos

These new Double Cosmos are extra early flowering and have the mammoth Sensation type form of flower, which will average between 4 and 5 inches in diameter. The plants grow about 38 inches tall, throwing about 15-inch stems for cutting. Each plant is a heavy producer of flowers, with thrifty foliage, and will continue flowering over a very long period.

501 **PINK LADY**. Pkt., 20c.

502 **WHITE CLOUD**. A beautiful soft white, especially recommended for florists: producing approximately 60% double which is an unusually high percentage for Cosmos. Pkt., 25c.

503 **DOUBLE SENSATION MIXED COLORS**. Pkt., 20c.

504 **EARLY ORANGE FLARE**. Height 2½ ft. Orange flowers. The stems are long and wiry, well adapted for cutting. Pkt., 10c; ¼ oz., 25c.

505 **YELLOW FLARE**. Bright clear yellow. About 2½ inches across on 3-foot stems. Pkt., 10c.

### Cynoglossum - Chinese Forget-Me-Not

506 **FIRMAMENT**. Firmament is as easy to grow as any hardy annual. It is compact and free flowering. Flowers resemble those of forget-me-nots and are bright indigo-blue in color. Hardy annual, height 1 to 1½ ft. Awarded Bronze Medal, 1938 All-America Selections. Pkt., 15c.

**CALIFORNIA POPPY**. See Eschscholtzia, next column.

### Grow Dahlias from Seed

While usually grown from roots and cuttings, fine flowers can be produced in one season from seed, if it is sown early indoors and the plants set out when the ground is warm.

507 **ADVANCE**. Special strain of large-flowering Dahlias. Pkt., 40c.

508 **UNWIN'S DWARF HYBRIDS**. This is a beautiful strain bearing semi-double flowers with an excellent range of color including pink, lavender, red, orange, yellow and maroon. From seed sown in the spring, plants begin flowering in the summer and improve until killed by frost. They grow 2 to 3 feet tall, and abundant flowers cover them. Tubers are produced which can be saved for the next year. They make good pot plants when pinched back. Pkt., 20c.

**FOR DAHLIA ROOTS**: See page 53.

### Dianthus - Annual Garden Pinks

Every garden should include some of the pinks because they are so easily grown and make such a wonderful display with their bright colored flowers. The plants are covered with sweet scented flowers all during the summer. Grows about one foot high.

509 **LACINIATUS SPLENDENS**. A free-flowering, easily grown annual. The flowers are very large, over 2 inches across, in a brilliant shade of crimson, with a large boldly contrasting glistening white eye. Pkt., 10c.

510 **SWEET WIVELSFIELD**. This remarkable hybrid is quite distinct in method of flowering and height of growth from the Annual Sweet William. It has a great variety of color and a very long season of bloom. Pkt., 10c.

511 **HEDDEWIGI** (Single Pink). A splendid mixture of single flowers of brilliant shades, brilliantly marked. Plants dwarf and very free-flowing. Pkt., 10c; ¼ oz., 35c.

512 **HEDDEWIGI, FL.-PL.** (Double Pink). Very double, with deep fringed petals. Colors vary from white to rose, lilac, carmine, crimson, scarlet, purple, brown and almost black, spotted and striped. Pkt., 10c; ¼ oz., 35c.

**FOR PERENNIAL VARIETIES**, see page 24.



Cynoglossum, Firmament

### Eschscholtzia (CALIFORNIA POPPY)

Easily grown from seed sown outdoors where they are to grow as they cannot be transplanted. They succeed everywhere, are always in bloom, brighten the garden from June until frost. Autumn sowing outdoors gives you spring flowers.

516 **DOUBLE AND SEMI-DOUBLE VARIETIES**. Mixed. Pkt., 10c; ¼ oz., 35c.

517 **SINGLE VARIETIES**. Mixed. Pkt., 10c; oz., 30c.

### Euphorbia

Strong growing annuals, suitable for beds of tall growing plants or mixed borders. The foliage is exceedingly ornamental. Sow outdoors in April.

518 **VARIEGATA** (Snow-on-the-Mountain). Elegant, bushy plants, with broad green leaves, veined and margined with white. Attractive foliage. Height 2 feet. Pkt., 10c; ¼ oz., 25c.

### Feverfew - Matricaria

519 **DOUBLE WHITE**. Hardy annual, free flowering. For bedding or pot culture. Showy double white flowers. 18 inches. Pkt., 15c.

### Four O'Clock (MARVEL OF PERU)

Old-fashioned flowers which are borne on erect, bushy plants, 2 to 3 feet high. Flowers are large, tube-shaped, opening in the afternoon and remaining open all night, and close again in the morning. Very desirable for borders and backgrounds for lower growing plants. Hardy annual.

520 **MIXED**. Comprises all shades. Pkt., 15c; oz., 50c.

**FORGET-ME-NOT**. See Myosotis, pages 13 and 27.

**FOXGLOVE**. See Digitalis, page 25.

SOW . . . . .  
 . . . . . ACME SUPERFINE  
 LAWN SEED 99.90% free from weeds  
 (See inside Front Cover)

## Gaillardia - Blanket Flower

One of the most profuse blooming annuals in the flower garden. Excellent for cutting as well as for beds and borders. Blooms continually from early summer until frost. Grows best in full sunlight. Height 12 to 15 inches.

**521 INDIAN CHIEF.** Single; brilliant bronzy red. Pkt., 10c; ¼ oz., 25c.

**522 DOUBLE MIXED.** Pkt., 15c; ¼ oz., 35c.

**523 SINGLE MIXED.** Pkt., 10c; ¼ oz., 25c.

**PERENNIAL GAILLARDIA.** See page 26.

## Globe Amaranth

(GOMPHRENA)

An everlasting, with beautiful colored flowers resembling clover-heads. They retain their color and are lovely in winter bouquets.

**524 MIXED COLORS.** Pkt., 10c.

## Godetia - Satin Flower

Attractive, hardy annuals; deserving more extensive cultivation, especially in the cooler parts of the country. The plants bloom profusely, and bear showy flowers, not unlike an Azalea, of satiny texture, in many rich and varied colors. They do best in a rather poor soil. 1 foot.

**525 KELVEDON GLORY.** The color is deep glowing salmon-orange, of an intensity and vividness that can be found in no other annual. Pkt., 15c.

**526 SYBIL SHERWOOD.** Bright salmon-pink, softened by an indefinite edging of white. Pkt., 10c.

**527 DWARF SINGLE EXQUISITE MIXED.** ¼ oz., 25c; pkt., 10c.

## Gypsophila - Baby's Breath

Quick-growing, producing great numbers of small flowers in loose, graceful sprays. Valuable for cutting; fine for mixing with other flowers. Blooms quickly from seed and liberal sowings should be made every three weeks from April to July to cut continuously. For early spring flowers sow previous autumn.

**528 ELEGANS ALBA** (True Covent Garden Strain). A grand improvement, flowers large and pure white. Oz., 25c; 4 ozs., 85c; pkt., 10c.

**529 ELEGANS DELICATE PINK.** Pretty bluish-pink form of the above and equally valuable for cutting. Oz., 25c; pkt., 10c.

**FOR PERENNIAL GYPSOPHILA,** see page 26.

## Helichrysum - Strawflower

For Winter Bouquets

A Strawflower of the easiest culture; one of our best "Everlasting" flowers, the dried double bloom being very handsome in winter bouquets. 2 feet.

**530 DOUBLE MIXED.** Pkt., 10c; ¼ oz., 40c.

## Heliotrope

**531 LARGE FLOWERED HYBRIDS.** A mammoth flowering variety having enormous quantities of flowers and trusses sometimes measuring 10 to 12 inches across. Very fragrant. Colors vary from pure white through the various shades of blue and purple to indigo. Pkt., 20c.

## Larkspur - Annual Delphinium

Tall showy plants that bloom freely during the summer months. They are very gay and especially useful for massed bedding and cutting. Blooms quickly from seed.

### Giant Imperial Larkspur

A new type of Annual Larkspur, developed in California. These Larkspurs are ideal for cut flowers, as the flower stems, three to four feet long, branch from the base of the plant. (See illustration).

**535 BLUE BELL.** Medium blue, deeper than sky-blue, yet much lighter than lilac, a color up to this time lacking in the Giant Imperial type.

**536 BLUE SPIRE.** Intense deep Oxford-blue.

**537 CARMINE KING.** Deep carmine-rose.

**538 EXQUISITE PINK IMPROVED.** Soft pink shaded salmon.

**539 GLORIA IMPROVED.** A rich tone of deep rose with no trace of carmine.

**540 LILAC SPIRE.** Beautiful blue color.

**541 LOS ANGELES IMPROVED.** Color brilliant rose on salmon.

**542 PINK KING.** Soft salmon-rose, blooms very early.

**543 PINK PERFECTION.** Lively light pink. Early flowering.

**545 SWEET LAVENDER.** Rich lavender.

**546 WHITE KING.** Pure white. Early.

Any of the above: Pkt., 15c; ¼ oz., 50c.

**547 IMPERIAL MIXTURE.** Mixture of above named varieties. Pkt., 15c; ¼ oz., 50c.  
**PERENNIAL LARKSPUR.** See Delphinium, page 25.

### COLLECTION OFFER

**2547 GIANT IMPERIAL LARKSPURS.** One packet each of Blue Spire, Carmine King, Sweet Lavender, Exquisite Pink, and White King. Five 15c pkts., 60c.

## Hunnemannia

(Santa Barbara Poppy; Bush Eschscholtzia; Yellow Tulip Poppy).

**532 SUNLITE.** A double-flowered Poppy which is different. Its extra band of petals is produced on the outside, rather than the inside of the tulip-shaped flowers, giving the impression of being open even after the blossoms have closed for the night. Flowers bright canary-yellow, and the foliage of the 2-ft. bush is light grey-green. Like a sunny position in well drained soil: flower freely in late summer. Pkt., 10c.

## Kochia Mexican Fire Bush

**533 CHILDSI.** A quick growing foliage or hedge plant which forms symmetrical globe-shaped plants about 3 feet high. The foliage is cypress-like in appearance, being finely cut, clear green color. Early in the fall it is covered with innumerable little flowers which cause the plant to take on a reddish tinge, hence the name of Fire Bush. Seed can be started early indoors and transplanted, or sown in open border and transplanted or thinned out. Annual. Oz., 35c; pkt., 10c.

## Lantana

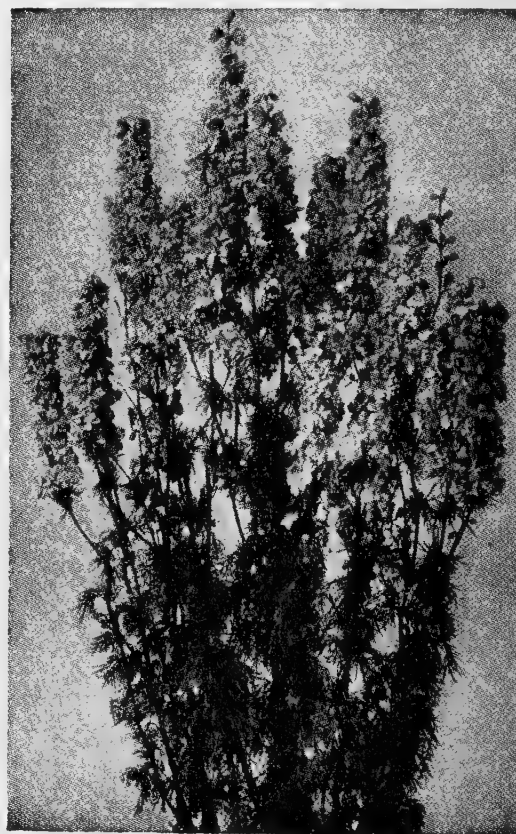
Half-hardy greenhouse or bedding plants constantly in bloom, bearing miniature verberna-like heads of orange, white and rose. Start seed indoors early.

**534 DWARF BEDDING HYBRIDS.** Fine for bedding and pot culture. Will bloom freely all summer. Pkt., 15c; ¼ oz., 60c.

**LINUM—PERENNIAL FLAX.** See page 27.

## Lobelia

**548 CRYSTAL PALACE COMPACTA.** Rich deep blue; dark foliage. Height 4 to 6 inches. ½ oz., 50c; pkt., 15c.



Giant Imperial Larkspur

## Lupinus

A new and greatly improved strain of annual Lupinus growing 3 to 4 ft. high.

**549 HARTWEGII GIANT KING.** Mixed colors. Contains all colors. Pkt., 15c.

**550 TEXAS BLUE BONNET.** The flowers are of delightful blue, with distinct heart-shaped eye of deep rosy flesh. Charming bushy plants. Height 15 inches. Pkt., 15c.

See also Perennial varieties, page 27.

For more beautiful and luxuriant Sweet Peas and Lupinus, inoculate with Nitragin. See page 51.

**MARIGOLD.** See next page.



# Marigolds for Color in Late Summer and Autumn

## Five Beautiful Carnation-Flowered Marigolds

**551 ORIOLE.** Large carnation-flowered Marigolds. Golden yellow, 3½ to 4 inches across. Plants 2½ ft. high. **Pkt., 20c.**

**552 GUINEA GOLD.** This is a very distinct type of Marigold of graceful pyramidal habit, growing 2 to 2½ feet high, and producing 30 to 40 flowers, 2 to 2½ inches across, of a brilliant shade of orange flushed with gold. Unlike the ordinary African Marigold, this new variety produces no single flowers, but is practically 100 per cent semi-double. The characteristic Marigold odor, too, is much less pungent than in other sorts. ½ oz., 25c; **pkt., 10c.**

**553 YELLOW SUPREME.** Flowers full double, creamy lemon-yellow, a little larger than those of Guinea Gold. Plants 2 to 3 feet tall, without the usual odor, and are free-blooming. A splendid companion for Guinea Gold. **Pkt., 10c; ½ oz., 35c.**

**554 GOLDEN EAGLE.** A delightful shade of luminous gold, early flowering and produces 100 per cent double 3- to 4-inch flowers. Similar to Guinea Gold in height and habit. Midway between Guinea Gold and Yellow Supreme in color. **Pkt., 10c; ½ oz., 25c.**

**555 BURPEE'S GOLD.** Odorless foliage, deep orange flowers. **Pkt., 10c; ½ oz., 35c.**

**556 GOLDEN BEDDER.** This is a very early, dwarf African variety with chrysanthemum-like flowers, rich golden orange color. As the name implies, Golden Bedder is ideal for beds or borders. The whole plant can be cut as a bouquet. Plants 15 inches tall. Awarded Bronze Medal. All-America winner for 1942. **Pkt., 15c.**

**557 ORANGE ALL-DOUBLE.** An excellent strain, producing flowers 100 per cent double. The blooms are well rounded and of an intense rich orange color. **Pkt., 15c; ¼ oz., 75c.**

**558 LEMON ALL-DOUBLE.** Same habits as the above variety but the flowers are clear lemon-yellow. **Pkt., 15c; ¼ oz., 75c.**

**559 AFRICAN DOUBLE MIXED.** Comprises various shades and well adapted for large beds or mixed borders. **Pkt., 10c; ¼ oz., 35c.**

## Giant Flowered Marigolds

**560 SUNSET GIANTS.** The largest type of Marigold, often 5-6 inches in diameter. Free flowering, lacking the usual Marigold odor. The flowers are loosely formed with broad, heavy petals, and come in a mixture of colors, ranging from deep orange through to light lemon-yellow. Height 3½ to 4 ft. **Pkt., 15c; ½ oz., 25c.**

**561 ORANGE SUNSET.** Like its parent variety, Sunset Giants, Marigold Orange Sunset produces very large loosely formed full-centered flowers of a deep rich, lively orange. Size of flower and character of growth same as Sunset Giants described above. **Pkt., 15c.**

## Marigold, Mission Giants

A new and distinct type of Marigold with giant chrysanthemum-like blooms. The plants grow from 2 to 3 feet high and show more than the ordinary amount of vigor. This new type of Marigold is unique in at least one respect, the lateral or side branches produce just as large, if not larger, blooms than the center stem. It is very early, coming into bloom fully two weeks ahead of the ordinary African types. Blooms 4 inches in diameter, almost a perfect ball.

**562 MISSION GIANT, YELLOWSTONE.** A bright rich clear yellow. Honorable Mention, All-America Winner for 1942. **Pkt., 15c.**

**563 MISSION GIANT, GOLDSMITH.** Color a rich golden orange. **Pkt., 15c.**

**564 MISSION GIANT MIXED.** Colors include deep, medium and golden orange as well as bright lemon. **Pkt., 15c.**

## Dwarf Double French Varieties

This class of Marigolds will form dense bushes not over 12 inches high and are unequalled for borders or low beds.

**565 GOLDEN HARMONY.** Scabiosa-flowered type of a solid golden yellow with a single row of broad guard petals, holding the same bright yellow throughout.

**566 HARMONY.** While this variety is listed as a dwarf French double variety, it is of a very charming and distinctive type. The flowers are quite different from any other Marigold, scabiosa-like in formation with tubular, deep orange center petals flanked by broad, velvety, dark maroon-brown guard petals. Will bloom very early.

**567 ROYAL SCOT (DWARF) ALL DOUBLE.** A new strain of Dwarf Striped Marigold. Color is rich mahogany and gold in uniform stripes. Absolutely double.

**568 SPRY.** Extremely dwarf and compact, being about 9 inches high and spreading 15 inches, suited for borders, edging and pots. Flowers grow 1½ inches across, double, and have a bright clear yellow crested center surrounded by several rows of mahogany-red guard petals. Awarded Silver Medal, All-America Trials, 1940. **Pkt., 15c.**

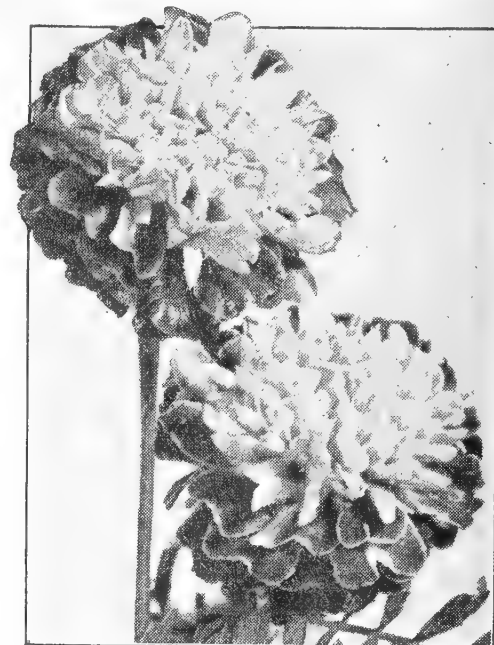
**569 SCARLET GLOW.** Scarlet turning to Tangerine.

Price, Any of the Above, Except Where Noted:  
**Pkt., 10c; ¼ oz., 25c.**

**570 DWARF FRENCH DOUBLE MIXED.** Comprising all shades. Very double. **Pkt., 10c; ¼ oz., 25c.**

**POT MARIGOLD.** See Calendula, page 9.

**PIGMY MARIGOLD.** See Tagetes, page 18.



Marigold, Harmony

## Dwarf Single French Marigolds

**®571 LEGION OF HONOR (Little Brownie).** A single flowering Marigold, forming compact bushes 9 in. high. Begin flowering early, commencing in June, continuing until frost. The flowers are golden yellow, marked with a large spot of velvety crimson at the base of each petal. **Pkt., 10c; ¼ oz., 25c.**

## Marigold, Dwarf Gigantea

**572 POT O' GOLD.** The plants are dwarf and compact, growing 12 to 15 inches in height, well branched, very neat in appearance and bearing a dozen or more of its large blooms at a time. Individual blooms are 4 to 4½ inches in diameter and the color a most penetrating shade of bright deep golden orange. Early. **Pkt., 15c.**

**573 BUTTERBALL.** Clear yellow. Very dwarf; early and continuous flowering. **Pkt., 15c.**

**574 SUNKIST.** Orange. Dwarf, compact, very early, long blooming. **Pkt., 15c.**

## Myosotis - Forget-Me-Not

The following variety of Myosotis is a biennial, and best treated as an annual, as it will bloom the first year from seed. For early spring flowers, sow seed in August. Protect the plants or winter them over in a cold frame like Pansies, or seed may be sown in a hotbed or cold frame in the spring, and they will commence blooming in July. A cool, half-shady place is suitable.

**575 ALPESTRIS, BLUE BALL.** Very early, bright blue, compact habit. **Pkt., 15c.**

## Mignonette - Reseda

Its sweet, delicate fragrance makes this a favorite annual in every garden. Sow in May in the borders or any sunny spot where plants are to remain. It is also grown in pots for winter and early spring flowering. Mignonette prefers a medium light, loamy soil, with only a moderate amount of moisture.

**576 LARGE FLOWERING SORTS.** Special mixture of many shades. **Pkt., 10c; ¼ oz., 40c.**



Marigold, Guinea Gold

## Double Nasturtium

Nasturtiums will really grow on soils incapable of supporting many other plants, and are most useful on dry, sandy, or gravelly banks. In very dry seasons the Tall sorts have a tendency not to run on a poor soil, and if a trellis is to be covered quickly the plants should be encouraged by watering in the early stages of growth; in wet seasons the Dwarfs have a tendency to run and to produce more leaves than flowers, and they should therefore be sown on as poor a soil as possible.

### Double Sweet Scented

These Nasturtiums are of a vigorous bushy habit, producing a few short runners which are thickly studded with long-stemmed double blooms.

**577 GOLDEN GLEAM.** Golden yellow.

**578 SCARLET GLEAM.** Fiery scarlet.

Either of the above varieties:  
Pkt., 15c; oz., 35c.

**579 GLEAM HYBRIDS.** Containing all colors. Pkt., 15c; oz., 35c.

### Dwarf Double Gem Varieties

A dwarf compact strain of sweet scented double Nasturtiums. Plants are compact and entirely without runners.

**580 GOLDEN GLOBE.** Golden yellow flowers, very compact. Pkt., 15c; oz., 45c.

**581 SCARLET GLOBE.** Fiery scarlet. Pkt., 15c; oz., 45c.

**582 DWARF DOUBLE GEM MIXTURE.** Contains an excellent mixture of yellow, orange, scarlet, salmon, cerise, cream and maroon, both light and dark foliage. Pkt., 15c; oz., 45c.

### Single Dwarf Nasturtiums

Height, 1 foot

**583 DWARF MIXED.** Comprises all varieties and shades. Oz., 30c; ¼ lb., \$1.00; pkt., 10c.

### Single Tall Nasturtiums

**584 TALL MIXED.** Comprises all varieties and shades. Oz., 30c; ¼ lb., \$1.00; pkt., 10c.

## Nemophila - California Blue Bell

**585 INSIGNIS BLUE** (Baby Blue Eyes). Splendid trailing annual, 6 inches high, fine for edging borders, or rock gardens. Cup-shaped, sky-blue flowers from late spring until frost. ¼ oz., 25c; pkt., 10c.

## Nicotiana

One of the easiest annuals to raise and one of the most effective. The blossoms in shape are not unlike a Petunia, but with a longer tube. The flowers open toward evening and emit a powerful perfume.

**586 CRIMSON BEDDER.** The flowers are a rich deep carmine. Plants are of dwarf, pyramidal habit, not over 15 to 18 inches in height; therefore very effective for mass bedding or for planting in small groups. Pkt., 15c.

**587 AFFINIS WHITE.** Large, pure white, sweet-scented, star-shaped flowers 3 inches across, blooming continually, 2 to 3 ft. Pkt., 15c; ¼ oz., 25c.

**588 AFFINIS HYBRIDS.** Splendid mixture of blue, red and rose shades. Pkt., 15c.

**FEED THE WILD BIRDS—THEY WILL HELP YOU  
FIGHT INSECTS IN YOUR GARDEN.**

## Giant Pansies

This popular annual is so well known that it needs little description. Pansies are easily grown and bloom profusely for many months. Sow the seed indoors early in March or outdoors as early as the ground can be prepared. If sown during August, and wintered over in a cold frame, the plants will begin blooming very early in the following spring and continue their showy display throughout the summer.

**590 ENGLEMAN'S GIANTS.** Dark and light shades, huge flowers, very compact and early flowering. Pkt., 60c.

**591 SWISS BLUE** (Ullswater Blue). A solid blue flower with blue-black blotches. Pkt., 50c.

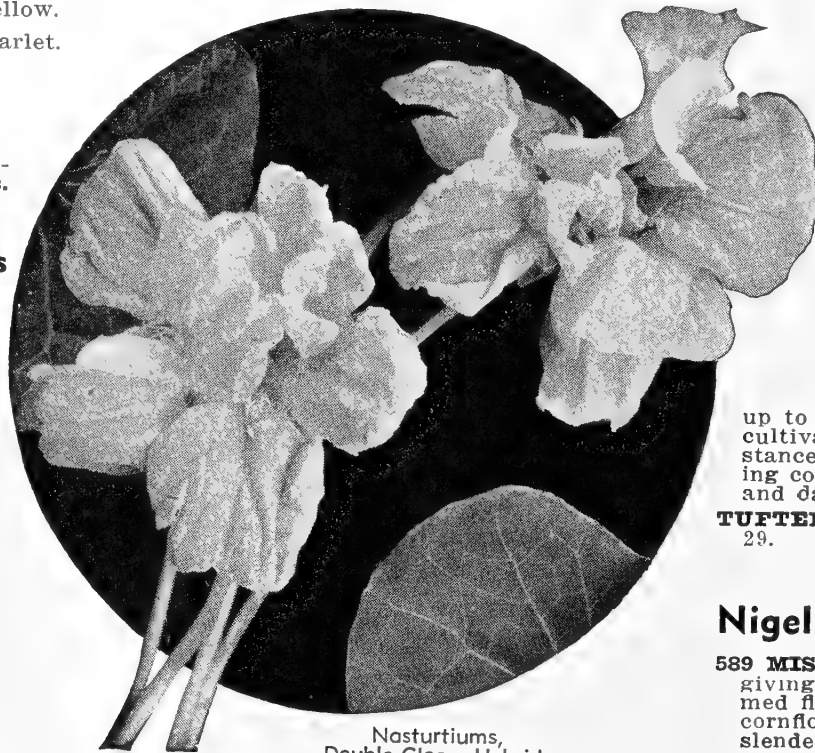
**592 SWISS GIANTS.** This strain of Pansies is the most sensational novelty of many years. The seed we offer will produce flowers of gigantic size, perfectly round, and produce many new color combinations and shades previously unknown in pansies. Blooms early Pkt., 50c.

**593 TRIUMPH OF THE GIANTS.** A rich mixture of bright colors with many delightful variations and markings. Pkt., 35c.

**594 CHOICE BEDDING MIXED.** Contains a complete range of colors. Blossoms slightly smaller than the giant types. Pkt., 25c.

**595 MAPLE LEAF GIANT MIXTURE.** A distinct variety and quite different from other types. The leaves are of giant size and the flowers are up to 4 inches across, under good cultivation. Of wonderful substance and fine form. Many charming colors are included, both light and dark shades. Pkt., 60c.

**TUPTED PANSIES.** See Viola, page 29.



Nasturtiums,  
Double Gleam Hybrids

## Nigella - Love-in-a-Mist

**589 MISS JEKYLL.** Lovely variety giving an abundance of long-stemmed flowers which are of a clear cornflower-blue, prettily set in slender elegant foliage. One of our most attractive annuals. Height 18 inches. Pkt., 10c.

## Brilliant Annual Phlox

### FLAME FLOWER

For a color effect in the garden there is nothing quite so brilliant and quite so lasting. Quickly grown from seed. They succeed best in a sunny open situation, preferring a light, rich loam. For early flowers, sow seed indoors or in hotbed in March; or they may be sown in open ground from late April until July. If faded flowers are removed, they will bloom until frost.

**635 GRANDIFLORA MIXED.** An extra choice strain of the best large-flowered varieties, unexcelled in profusion and brilliancy of bloom and color. Pkt., 15c; ¼ oz., 90c.

## PLANT AN HERB GARDEN

### Phlox Gigantea

An extra large flowering group producing flowers in a wonderful range of colors. Plants 9 inches high.

**636 RED GLORY.** Brilliant red with white eye. Pkt., 15c.

**637 ROSY MOON.** Rose-pink with white eye. Pkt., 15c.

**638 SALMON GLORY.** Pure salmon-pink with creamy eye. Pkt., 15c.

**639 ART SHADES.** All soft colors, many with lighter eye. Pkt 15c.

**PERENNIAL PHLOX.** See page 28.





Petunia Garden on Crosley Estate, Kipling Road, Cincinnati, Ohio

## McCULLOUGH'S PETUNIAS for All Purposes

A very useful and free-flowering annual, thriving on any soil and in the hottest weather. For a showy bed, or for porch or window boxes, few plants equal the Petunia in effectiveness. Sow the seed in pots or flats in the house or hotbed in February or March, or in the garden as soon as the soil is warm. Cover the seed but slightly as it is very fine.

### Double Flowering Petunias

#### ALL DOUBLE DWARF VICTORIOUS

Dwarf compact plants, covered with giant fringed double flowers, very free flowering.

**596 ALL DOUBLE VICTORIOUS MIXED.** An extra dwarf giant mixture of Fringed Petunias producing flowers 100% double. Habit very compact. The plants are remarkably uniform in habit, producing a wonderful assortment of brilliant and fancy colorings. Very free flowering; an exceptionally fine strain for pot culture as well as for bedding. Height, 12-13 inches. **Pkt., 50c.**

### Large Single Flowering Varieties

**597 SNOWSTORM.** Extra large frilled clear white, outstanding for size and much larger than White Cloud. Snowstorm will average 4 inches in diameter. Plants medium dwarf, the finest white for either bedding or pots. Very fragrant. **Pkt., 35c.**

**598 DAINTY LADY.** Received Awards of Merit, 1936 All-America Seed selections and the Royal Horticultural Society of England. A remarkable introduction which brings us the first really yellow petunia. The plants are neat, compact, semi-dwarf, and free flowering, bearing generous quantities of medium-sized, delicate, golden yellow flowers, beautifully fringed. **Pkt., 25c.**

**599 ELK'S PRIDE.** Dwarf, immense flowers of rich deep Elk's purple, with large lobes forming a five-pointed star. The velvety black veins add much beauty. **Pkt., 25c.**

**600 WHITE CLOUD.** Pure white, very dwarf and compact. **Pkt., 25c.**

**601 BURGUNDY.** Large single flowers of a deep Burgundy-red enhanced by a rich velvety sheen. The throat, which is white, veined purplish red, creates a beautiful contrast. The flowers measure 3 1/2 inches across. **Pkt., 25c.**

### Large Single Flowering Fringed Mixtures

**602 DWARF GIANTS.** (Ramona Strain.) A dwarf, sturdy growing type, especially suited for pot culture. Flowers are beautifully ruffled and fringed with open well marked throats. The mixture contains a good assortment of the most desirable dark and light shades, which are well balanced. **Pkt., 35c.**

**603 RUFFLED MONSTERS.** A half dwarf type of erect and robust habit. The flowers are very large and ruffled, with open shallow throats. The colors are mostly the desirable red and dark shades, richly marked and veined. **Pkt., 35c.**

### New Petunia, Miniature

A new strain of dwarf, compact miniature Petunias, forming plants from 6 to 9 inches high, literally smothered with flowers. Plants about 8 inches wide.

**604 MARTHA WASHINGTON.** A new break in Petunias. Martha Washington is a ruffled or frilled Petunia. Its growth is about 9 inches high, and it forms a perfect ball effect, literally smothered with lovely frilled blooms about 3 inches in diameter. Its neat, compact habit makes it suitable for borders, bedding, pots or window boxes. This is a unique novelty in Petunias. Color a blush-pink veined a wine-red; throat a dark violet. **Pkt., 20c.**

**605 BRILLIANT ROSE GEM.** This Petunia is a very rich deep rose with a slight suffusion of scarlet. We recommend Brilliant Rose Gem for those who want a strong color, one that will withstand the utmost in hot, strong sunlight. **Pkt., 20c.**

### Single Bedding Varieties

Growing about 12 to 18 inches high.

**606 BLUE BEE.** A violet-blue same shade as the Viola, Jersey Gem. **Pkt., 10c.**

**607 FLAMING VELVET.** Brilliant velvety scarlet. **Pkt., 15c.**

**608 GENERAL DODDS.** A velvety blood-red. **Pkt., 10c.**

**609 HOWARD'S STAR IMPROVED.** A velvety purple with a pure white star in the center of the flower. **Pkt., 15c; 1/4 oz., 50c.**

**610 RADIANCE.** One of the most brilliant of all the Petunias regardless of type. A cerise-rose with enough underlying salmon to remove the harshness, commonly found in a cerise-rose. The throat is golden yellow below where the blooms start to flare. This new Petunia is decidedly floriferous and holds its uniform neat habit until late fall. The blooms are about 2 inches in diameter. **Pkt., 15c.**

**611 TOPAZ ROSE.** A fiery velvety rose that will neither fade nor burn under the hottest sun. The throat is the color of topaz. Very fragrant. **Pkt., 15c; 1/4 oz., 50c.**

**612 WHITE KING.** Pure white. Very free-flowering. One of the finest whites in petunias. **Pkt., 10c; 1/4 oz., 35c.**

**613 CHOICE SINGLE MIXED.** A mixture of moderate sized flowers; extremely free-flowering. **Pkt., 10c; 1/4 oz., 35c; oz., \$1.00.**



Petunia, Mars

- 622 ROSY MORN.** Dwarf extra select. Soft carmine-pink with white throat. Pkt., 15c; 1/16 oz., 40c; 1/8 oz., 75c.
- 623 ROSE OF HEAVEN.** A brilliant crimson-rose. Pkt., 15c; 1/16 oz., 40c; 1/8 oz., 75c.
- 625 SINGLE DWARF BEDDING MIXED.** Includes all the varieties listed above as well as many others. Pkt., 15c; 1/8 oz., 60c.

## Petunia

### Single Dwarf Bedding

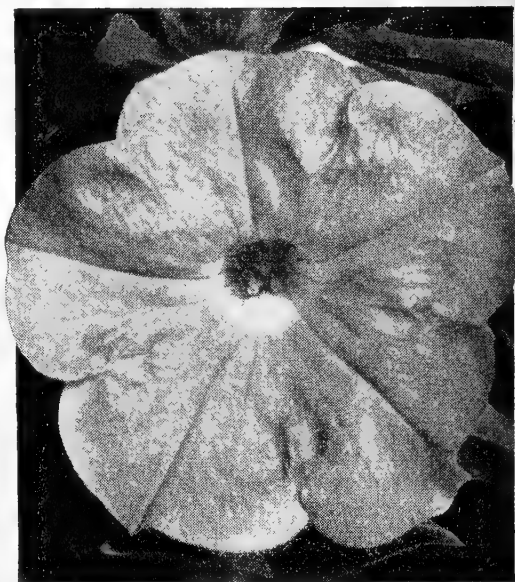
Varieties growing 8 to 12 inches high.

- 614 ADMIRAL.** Rich violet-blue with waved flower on compact plants. Pkt., 25c.
- 615 BLUE BEDDER.** Mid-blue. Pkt., 15c.
- 616 CELESTIAL ROSE.** Improvement on Rose of Heaven. More compact in growth and deeper in color; a beautiful rich satiny rose. Pkt., 15c.
- 617 CHEERFUL** (*Petunia hybrida nana compacta*). Bronze Medal Winner, All-America Selections for 1944. The name is acquired from the crisp, satiny sheen of its salmon-pink flowers and a youthful habit of growth long sought after in bedding Petunias. At first the growth is low, spreading close to the ground; later the plants form a mound 10 to 12 inches high with a spread of 2 feet. Growth is densely compact with no tendency whatever to thin out, fall over, or to spread open in the center; a valuable and distinctive characteristic. Pkt., 20c.
- 618 GLAMOUR.** This variety has large salmon-rose flowers with brown veining on white in the throat; a free and continuous bloomer. There is a little variation in color shades and though mostly with wavy, fringed petals, some come plain edged and smaller in size than the 4 to 5 inches. Height is usually 15 to 18 inches. Honorable Mention, All-America Winners for 1942. Pkt., 20c.
- 619 MARS.** Mars is the deepest crimson and the largest flowered in the bedding Petunia class. Its color is a deep, yet lively, velvety crimson holding its same color down in the throat. Mars is a deeper crimson than Flaming Velvet recently introduced, comes true to type and color, and is a larger flowered Petunia. When grown well the flower will reach the size of about 3 inches. Pkt., 15c.
- 620 HEAVENLY BLUE.** Silvery light blue. Pkt., 15c.

## Balcony or Large-Flowered

A splendid large and free-flowering type for window boxes, vases, hanging baskets, etc. The flowers average 3 inches across and make a very effective display over a long season.

- 626 BLACK PRINCE.** Rich velvety crimson-red. Pkt., 15c.
- 627 BLUE.** Velvety indigo-blue. Pkt., 15c.
- 628 ROSE.** Brilliant rose-pink; very effective. Pkt., 15c.
- 629 BALCONY MIXED.** A mixture of the above varieties. Pkt., 15c.



Celestial Rose

## Poppies for Delicate Tints

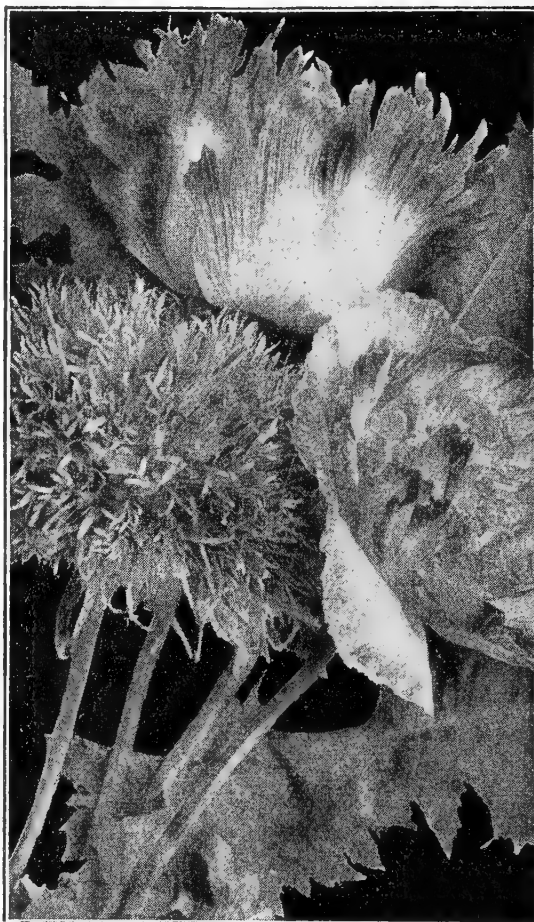
Sow seed in the fall or early spring where they are to bloom, as they are difficult to transplant. They flower quickly from seed and thrive best in a light loamy soil. Successive sowings should be made to provide continuous blooming.

### Double Annual Poppies

- 640 SWEET BRIAR.** A delightful shade of deep rose-pink. The blossoms are double, resembling a very large double begonia. Pkt., 10c; 1/8 oz., 25c.
- 641 DOUBLE SHIRLEY or BEGONIA-FLOWERED MIXED.** Beautiful double satiny flowers in every conceivable color. Pkt., 10c; 1/8 oz., 25c.

### Single Annual Poppies

- 642 AMERICAN LEGION.** A greatly improved English scarlet or Flanders Poppy, with very large flowers of dazzling orange-scarlet. 2 ft. Pkt., 10c; 1/8 oz., 25c; oz., 40c.
- 643 BLUE SHIRLEY.** Various blue shades. Pkt., 10c; 1/8 oz., 25c.
- 644 PICOTEE.** White, edged scarlet. Pkt., 10c; 1/8 oz., 25c.
- 645 WILD ROSE.** A Shirley Poppy with silky petals of a beautiful wild rose shade. Height 18 inches. Pkt., 10c; 1/8 oz., 25c; oz., 60c.



Annual Poppies

- 646 SINGLE SHIRLEY.** A beautiful sort which blooms a long season and bears large single flowers of flat but artistic shape. Most petals are of a very silky texture with an intense sheen. Others plain, some crimped, some like tissue paper and others wavy. Colors range through shades of pink, rose, scarlet, carmine, and are generally edged with lighter shades. Pkt., 10c; 1/8 oz., 25c; oz., 40c.

**PERENNIAL POPPIES.** See page 28.

## Portulaca - Moss Rose

Portulacas enjoy the hottest, driest situation and will grow in almost any soil. Foliage is thick and succulent, like that of a Sedum, and the flowers resemble single and double roses. They bloom most freely throughout the summer and fall. Scatter a few seeds in your rockery or anywhere to fill up empty spaces. Sow seed in May when the ground is warm and it is well to mix the seed with dry sand or soil to ensure an even distribution.

### Large-Flowering Single Varieties

- ®647 SINGLE MIXED. Pkt., 15c.

### Large-Flowering Double Varieties

- ®648 MIXED COLORS. Comprises a wide range of colors. Pkt., 20c.

WHEN ORDERING, SEE PAGE 64 OF THIS CATALOG





Salvia, Globe of Fire

### Sanvitalia

(Creeping Miniature Zinnia)

®654 **PROCUMBENS FL.-PL.** 6 inches. Sanvitalia flowers are much like tiny zinnias, golden yellow with very dark purple centers, some single and others double. The plants are prostrate and creep over the soil instead of growing upward. They start blooming in June and continue until frost. **Pkt., 10c; 1/8 oz., 30c.**

### Salpiglossis - Painted Tongue

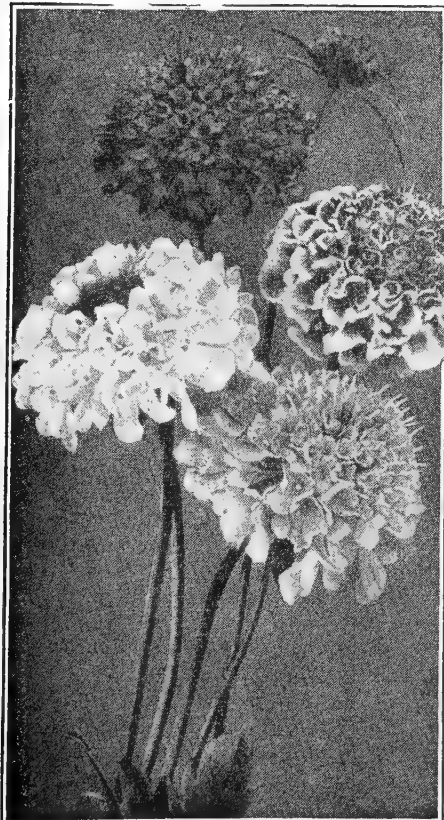
A very showy, half-hardy annual which is desirable both for bedding and border plants. Has richly colored funnel-shaped flowers of many shades including yellow, buff, crimson and scarlet and extending through to purple and almost black.

650 **DWARF GIANT-FLOWERING.** All colors. **Pkt., 15c.**

### Ricinus

(CASTOR BEAN)

649 **ZANZIBARIENSIS.** Grows to immense size. Leaves sometimes measure 30 inches across and range in color from bright green to deep bronze. Choice mixed colors. **Pkt., 15c; oz., 25c; 4 ozs., 75c.**



Scabiosa

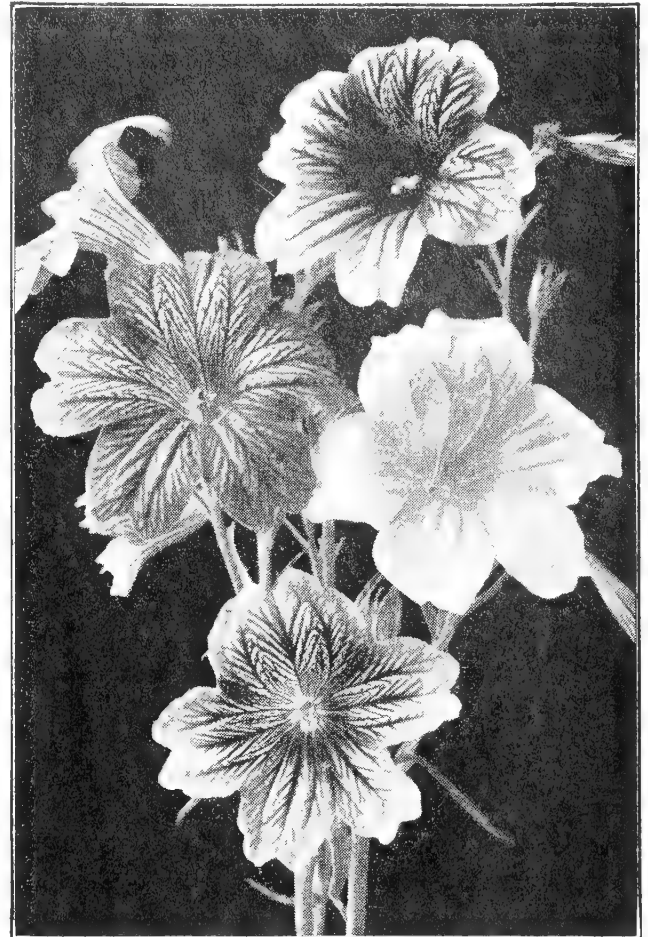
### Salvia - Scarlet Sage

One of the most useful and effective bedding plants, which produces immense masses of flowers from early in the season, continuing in uninterrupted succession until frost. Blooms are borne on long spikes well above the foliage and continue in good condition a long time.

651 **SPLENDENS.** Tall growing sort with dark green foliage and bright scarlet blooms. Annual. Height 2 1/4 to 3 feet. **Pkt., 20c.**

652 **AMERICA or GLOBE OF FIRE.** This is the freest and most continuous blooming of all the Scarlet Sages, also the most uniform in habit of growth, which makes it particularly valuable for bedding or planting in lines. **Pkt., 25c.**

653 **FARINACEA (Blue Bedder).** A more compact form of the graceful Salvia Farinacea, growing about 2 1/2 feet high, and with a better habit, the plants branching freely from the base. The flowers, borne on long terminal spikes, are of a bright mid-blue, deeper than in the type, and very showy and effective. The plant is vigorous and fairly hardy, and may be had in bloom from August to October. **Pkt., 20c.**



Salpiglossis—Painted Tongue

### Sweet Scabiosa

(Pincushion Flower; Mourning Bride)

One of the old-fashioned popular annuals which produce an abundance of many colored flowers excellent for cutting. Blossoms are borne on long stems, are fragrant, double and somewhat the shape of a pincushion. An effective plant for bedding or borders. Seed can be sown in open border and thinned out from 1 to 1 1/2 feet apart. Grows 2 to 2 1/2 feet high.

655 **ROSETTE.** As a result of many years' selection and painstaking care, in Rosette has been created a glorious new color in Annual Scabiosa. Rosette is a beautiful shade of deep rose, heavily suffused with salmon. The flowers are extra large and the stems are long and stiff. This glorious, glowing new color will undoubtedly make Rosette a most popular flower for the garden and also with the florist for cutting. A fitting companion to Scabiosa Loveliness, Peach Blossom and Shasta, which have received Awards of Merit from the Royal Horticultural Society. **Pkt., 15c; 1/8 oz., 25c.**

656 **BLUE COCKADE.** This outstanding novelty is deeper in color, but the flowers are entirely devoid of any suggestion of rose. They are, in fact, the purest deep azure-blue that can be found in any annual. The formation of the flower is far ahead of existing varieties, and has so great a depth as to be almost conical in shape. **Pkt., 10c; 1/8 oz., 25c.**

657 **GIANT LOVELINESS.** Soft delicate salmon-rose. **Pkt., 10c; 1/8 oz., 25c.**

658 **PEACH BLOSSOM.** A beautiful shade of peach-blossom-pink, of large size and long stem. An excellent cut flower. **Pkt., 10c; 1/8 oz., 25c.**

659 **SHASTA.** A pure white of enormous size, the flowers measuring 3 1/2 inches across with extremely long stems. **Pkt., 10c; 1/8 oz., 25c.**

660 **CRIMSON.** Rich rosy crimson. **Pkt., 10c; 1/8 oz., 25c.**

661 **KING OF THE BLACKS.** **Pkt., 10c; 1/8 oz., 25c.**

662 **GIANT HYBRIDS.** A splendid sort for large beds or borders, comprises many beautiful colors. Height 2 1/2 feet. **Pkt., 10c; 1/8 oz., 25c; oz., 80c.**

### Annual Sweet William

Many beautiful colors, some starred and mottled, others with clear white eyes. Named annual because plants will flower the first season if the seed is sown early. They will live over winter, however, and last for several years. 15 in. tall.

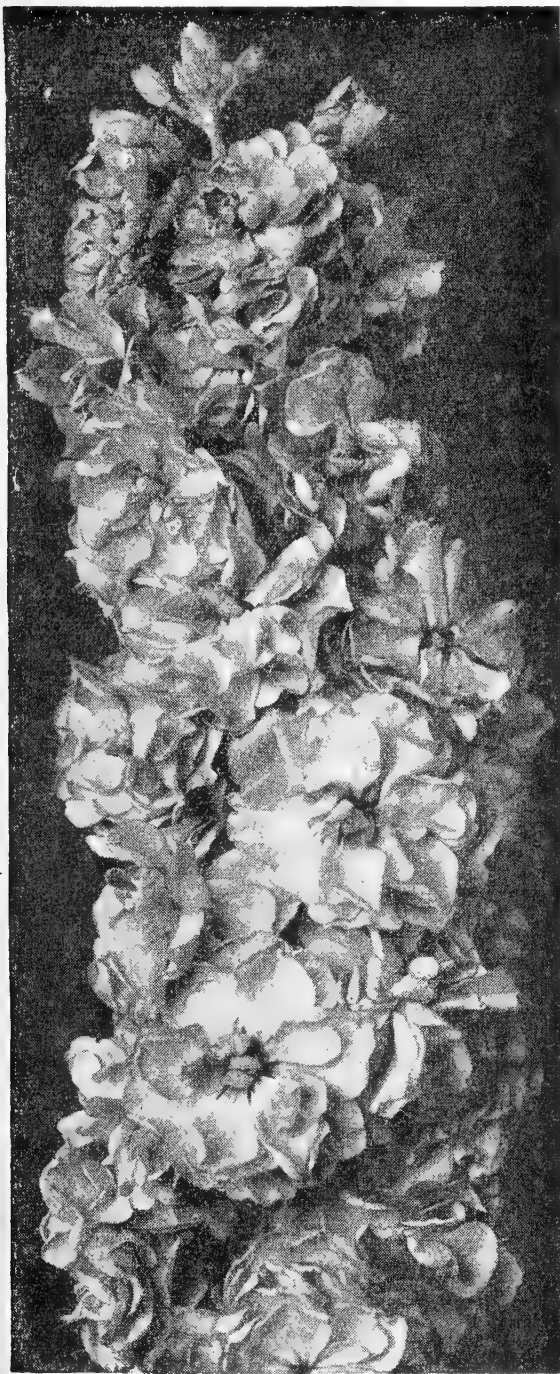
663 **MIXED COLORS.** **Pkt., 10c; 1/8 oz., 35c.**

#### SCABIOSA COLLECTION

2662 Contains one packet each of Blue Cockade, Peach Blossom, Crimson, Rosette, Shasta, Loveliness and King of the Blacks. Value 75c, for 50c.

**SNAPDRAGON.** See Antirrhinum, page 7.

**WHEN ORDERING, SEE PAGE 64 OF THIS CATALOG**



Stock, Giants of California



Sun Gold Sunflower

## STOCKS—Cut and Come Again

### NEW DOUBLE EXCELSIOR COLUMN "Non-Branching"

This new class of Stocks produces only one spike of enormous size with large flowers, 2½ to 3 feet high. They can be planted close together on the greenhouse bench which makes them a profitable variety.

676 EXCELSIOR MIXED. Pkt., 35c.

### Early Giant Imperial (Improved Bismarck)

One of the best Stocks for inside and outside planting. The plants grow in pyramidal form, covered with large double flowers.

677 GIANT IMPERIAL MIXED. Pkt., 15c.

### Double Large Flowering Dwarf Stocks

#### Ten Weeks' Stocks

Sweet-scented, double flowers on strong spikes. Fine for the garden; 15 to 18 inches tall.

678 FINEST MIXED. All colors. Pkt., 10c; ½ oz., 40c; ¼ oz., 75c.

### Stocks, Giants of California

An excellent group which blooms very early. When planted close they grow to a height of 3 feet or more, having only a single central spike with a 15 inch stem of florets.

666 GOLDEN GATE. Yellow.

667 MONTEREY. Pink.

668 PACIFIC. Blue.

669 RED WOODS. Blood-red.

670 SANTA BARBARA. Chamois.

671 SANTA MARIA. White.

672 SEQUOIA. Rose-carmine.

673 TAHOE. Lavender.

674 YOSEMITE. Rose.

675 EXQUISITE MIXED. All colors.

PRICE: Any of the above, Pkt., 15c; ½ oz., 75c.

## Sunflower - Helianthus

### (Hardy Annual)

Of easy culture, and the newer sorts are among the most ornamental and effective of all garden annuals. The single flowering sorts are indispensable for cutting. Bloom early and continue until frost.

679 SUN GOLD. An improved old-time double Sunflower. Cushion-like blooms, 4 to 5 in. across. Height 5 ft. Pkt., 15c; oz., 60c.

680 STELLA. Height, 3 to 4 feet. Flowers star-shaped, of brightest golden yellow, with dark centers. They are suitable for cutting. Pkt., 10c.

## Sweet Peas

Sweet Peas are among the seeds to be sown very early in the spring. They should go into the ground as soon as the soil can be worked, and should be planted six inches deep, being covered at first with only two inches of soil, the trench being filled as the plants grow. One ounce sows 35 to 40 feet in a row. It is best to soak the seeds for several hours before they are planted. If this plan of planting early is followed, and Sweet Peas are kept mulched or else watered abundantly, they will generally give a fine crop of blooms.

### Early Flowering Spencer Varieties

While these are especially adapted for forcing under glass for winter and early spring blooming, they are also valuable for outdoor culture, coming into bloom five or six weeks earlier than the regular Spencer type, and if the flowers are kept cut, they will continue to bloom for a long time.

681 MARINER. Clear marine-blue.

682 BRIDESMAID. Deep silvery pink, long-stemmed.

683 HARMONY. Clear lavender.

684 HOPE. A mammoth flowering pure white.

685 JOSIE. Extra long-stemmed clear rose-pink.

686 MAJESTIC ROSE. Rose-pink, long stems.

687 MARS. Oxblood-crimson.

688 SEQUOIA. Extra large salmon-rose.

689 VALENCIA. Sunproof, orange, long-stemmed.

Price any of above: Pkt., 15c; oz., 50c; ¼ lb., \$1.50.

690 EARLY FLOWERING MIXED. A splendid mixture containing all colors. Pkt., 15c; oz., 50c; ¼ lb., \$1.50.

### Summer Flowering Spencer

691 AVALANCHE. Frilled white flowers.

692 BEAUTY. Blush-pink.

693 COMMANDER GODSALL. Deep violet-blue.

694 HEAVENLY BLUE. Delphinium-blue.

695 HUNTSMAN. A sun-proof scarlet.

696 IVORY PICTURE. Ivory-cream.

697 PINKIE. Clear deep pink.

698 PIRATE GOLD. Golden orange.

Price any of above: Pkt., 10c; oz., 30c; ¼ lb., 90c.

### Eight Summer Flowering Sweet Peas

2699 Contains 1 packet each of the eight varieties offered above. Value, 80c; for 60c.

699 BEST SPENCER MIXED. Comprises the best varieties in all beautiful shades and colors and much superior to that offered indiscriminately as coming from growers. Pkt., 10c; oz., 25c; ¼ lb., 65c; 1 lb., \$2.00.

HARDY SWEET PEAS. See Lathyrus latifolius, page 27.

## Tagetes - Pigmy Marigold

700 SIGNATA PUMILA, LITTLE GIANT. We are proud to offer Little Giant as the highest development yet attained of this pretty little Marigold, with slender fernlike foliage and an abundance of dainty, single, golden orange flowers on plants 4 to 6 inches high, with spread of 8 to 10 inches. Pkt., 10c.





Tithonia, Fireball

## Tithonia

**The Golden Flower of the Incas or Mexican Sunflower**

Tithonia is a rare plant coming from Mexico, the home of the dahlia. History tells us that Tithonias were found growing in Peru as early as 1531, and were later found in Mexico. It is remarkable that a flower of such striking beauty should have been lost to cultivation until this time.

**701 FIREBALL.** Dazzling as a ball of fire poised high above other flowers, Fireball is undoubtedly the last word in brilliance of color in a fall blooming plant. Many who have known and enjoyed Tithonia Speciosa have considered it the brightest possible flower for fall use. With the introduction, however, of Fireball, this older variety is entirely overshadowed. Fireball is a very brilliant, vibrant shade of scarlet-orange, the petals in dazzling contrast to the clear yellow center. The gaily colored flowers are single, very large,  $4\frac{1}{2}$  to 5 inches in diameter, and are carried on fine long stems. The plants are very tall, some reaching a height of 8 or 9 feet, with a fairly heavy growth of grayish green, woolly foliage. They are, however, neat in appearance, filling in well from the very base of the plant to the top, and unlike the older Tithonia Speciosa do not become ragged looking. In southern warm districts, seed should be sown in late spring outdoors, while in the northern sections it should be started indoors and the plants set out after danger of frost has passed. Tithonia Fireball is a tender annual, flowering late in the season, and is not subject to plant diseases. It is extremely showy in the garden and an excellent new cut flower variety, as the flowers will keep five or six days when cut. **Pkt., 15c.**

## Torenia

A free-flowering annual, growing 10 to 12 inches tall. Makes a fine display in borders, pots or window boxes.

**702 FOURNIERI.** Velvety blue with dark blue blotches and yellow throat. **Pkt., 15c; 1/16 oz., 50c.**

## Verbena

### NEW GIANT HYBRIDS

A magnificent new strain of Verbena, of robust, compact habit and free blooming. The trusses are immense, the individual florets measuring an inch in diameter. These Verbenas are fixed and come true from seed.

Seed can be started in the house and transplanted to the garden when the weather is warm, or sown in the open ground, thinned and transplanted. Verbenas from seed are much more thrifty and less liable to rust than from cuttings. Annual. 1 foot high.

**703 ROSE GLOW.** A glowing effect of deep rose shading to orange-scarlet in the individual floret without an eye. The color is so luminous that each plant has the appearance of a small flat fountain of fire. **Pkt., 15c.**

**704 ROYALE.** This is a Verbena of enormous size, the individual florets measuring over an inch and a quarter in diameter. The color of this new Verbena is a rich, deep, royal blue with a large creamy yellow eye. **Pkt., 15c.**

**705 SALMON-PINK.** Beautiful salmon-pink flowers. **Pkt., 15c.**

**706 SPECTRUM RED.** An intense bright red having no eye. This variety is a brighter shade than any other Verbena yet introduced. The individual florets are  $1\frac{1}{4}$  inches in diameter. **Pkt., 15c.**

**707 WHITE.** **Pkt., 15c.**

**708 MAMMOTH MIXED.** Comprising a wonderful range of charming colors in every conceivable shade. **Pkt., 15c.**

## COLLECTION

### New Giant Flowering Verbenas

2708 Contains one packet each of Royale, Spectrum Red, Salmon-Pink, and White, (value 60c) for 45c.

## Verbena Venosa - Hardy Garden Verbena

**709 DELICATE LILAC.** Forms erect plants, 12 inches high, with delicate lavender flowers produced in such masses as to completely hide the foliage. It is perfectly hardy and does well in beds, borders and may also be used in the rock garden. A perennial treated as an annual, blooming the first year from seed; if sown early will then bloom until frost. **Pkt., 20c.**

## McCullough's "Surprise Garden" Flower Seed

This comprises a mixture of annuals, biennials and perennials and consists of sorts growing at moderate heights. No vines, trailers, or very tall growing plants are used in it. **715 Large pkt., 10c; oz., 25c; 1/4 lb., 75c; 1 lb., \$2.50.**



Verbena

## Vinca - Periwinkle

Valuable for bedding, seed should be sown early. Annual.

**710 ROSE**

**712 WHITE.**

**711 WHITE with crimson eye.** **713 MIXED.**

Any of the above: **Pkt., 15c.**

**VIOLA.** See Perennials, age 29.

## Wallflower

**714 EARLY WONDER MIXED.** A recent novelty from Europe. If planted in early spring will be in full bloom by early summer. The flowers are equal to the perennial in size and every respect. It was developed by crossing the Perennial Double with the Early Annual and should thrive and bloom profusely in our warm and dry summer. **Pkt., 15c.**

## Xeranthemum - Everlasting Flower

**716 DOUBLE MIXED.** Bright and pretty "Everlasting" with silvery foliage and silky flowers in pink, white and purple. **Pkt., 10c.**

## McCullough's Zinnias for every Purpose

Few, if any, annuals have greater utility value than that of the Zinnia. Many distinct types have been developed, some bearing flowers of enormous size and others producing miniature double blooms in profusion. For early flowers sow seed indoors in March and transplant seedlings to the garden in early May, or, if preferred, sow seed in open ground in April. Space the large flowering and taller sorts from 1½ to 2 feet apart; Pompon or Lilliput types 8 to 12 inches apart.

### Giant Dahlia-Flowered Zinnias

The most outstanding of all Zinnias because of the wonderful range of rich colors. The flowers are immense, often measuring 5 to 6 inches across, and 3 to 4 inches in depth. They are borne profusely from late summer until frost. The bushes are 2½ to 3 feet tall, of well-rounded form.

**717 CANARY BIRD.** A delicate shade of primrose; very large and holds its color well until out of bloom. **Pkt., 15c.**

**718 CRIMSON MONARCH.** By far the largest and best of the red shades. Flowers often eight inches in diameter. Plants very vigorous. A marvelous production of extraordinary merit. **Pkt., 15c.**

**719 DREAM.** A fine, deep lavender, turning to purple (Mallow Purple), a new, desirable shade in Zinnias. **Pkt., 15c.**

**720 EXQUISITE.** By far the most pleasing of our collection. Truly Dahlia-flowered as regards form and size. Color light rose with center a deep rose (Tyrian rose). **Pkt., 15c.**

**721 GOLDEN DAWN.** A beautiful golden yellow of immense size and good form. Very attractive. **Pkt., 15c.**

**722 GOLDEN STATE.** A very rich orange-yellow (cadmium). Yellow in the bud, turning to an attractive orange when in full bloom. **Pkt., 15c.**

**723 ILLUMINATION.** Similar to Exquisite, but a striking shade of deep rose. **Pkt., 15c.**

**724 LUMINOSA.** Bright deep pink. **Pkt., 15c.**

**725 METEOR.** A rich, glowing deep red (spinel red) and the darkest of all the red shades. Fine form, with good depth of petal. Very large and more floriferous than other reds. **Pkt., 15c.**

**726 OLD ROSE.** This is adequately described by its name, as it is of the real old-rose shade; it is large and for charm and beauty we consider it ranks next to Exquisite. **Pkt., 15c.**

**727 ORIOLE.** We consider this the most beautiful of its class. It is an immense orange and gold bicolor, changing slightly as it ages, but at all times worthy of the beautiful bird for which it is named. **Pkt., 15c.**



Dahlia-Flowered Zinnia

**728 POLAR BEAR.** A very large pure white; the best white yet seen in Zinnias. True Dahlia form. **Pkt., 15c.**

**729 PURPLE PRINCE.** A fine deep purple (Rhodantho purple), large and well formed. **Pkt., 15c.**

**730 ROYAL PURPLE.** A deep rich reddish purple. Deeper and richer than Purple Prince. All-America Winner for 1942. **Pkt., 15c.**

**731 SCARLET FLAME.** A large, beautiful, bright scarlet, with a delightful blending of orange throughout the petal. This is not a bicolor. **Pkt., 15c.**

Any of the above Dahlia-Flowered Zinnias, ¼ oz., 35c; ½ oz., 60c; oz., \$1.75.

**732 SPECIAL GOLD MEDAL MIXTURE.** A well-blended mixture containing all the above novelties. **Pkt., 15c; ½ oz., 50c; oz., \$1.50.**

### SPECIAL COLLECTIONS Giant Dahlia-Flowered Zinnias

**2732** Contains 1 packet of the above 15 separate named varieties. (Value \$2.25) for \$1.75.

**3732** Contains 1 packet each of **Crimson Monarch, Dream, Illumination, Golden Dawn, Polar Bear.** (Value 75c) for 60c.

**733 PASTEL MIXTURE DAHLIA-FLOWERED ZINNIAS.** Composed solely of delicate colors. Comprises soft shades of lemon-yellow, shell-pink, delicate salmon, light rose and orchid. **Pkt., 15c; ½ oz., 35c; ¼ oz., 60c.**

### California Giant Zinnias

The strain has the same robust habit as the Dahlia-Flowered. When the flowers are in full bloom, they reach enormous size, but their flatness gives them a most graceful appearance.

**734 BRIGHTNESS.** Bright, deep pink.

**735 DAFFODIL.** Canary-yellow.

**736 GRENADIER.** Bright dark red.

**737 LAVENDER QUEEN.** Deep lavender turning to purple.

**738 LEMON QUEEN.** Golden lemon.

**739 MISS WILLMOTT.** Soft pink.

**740 ORANGE KING.** Orange-scarlet.

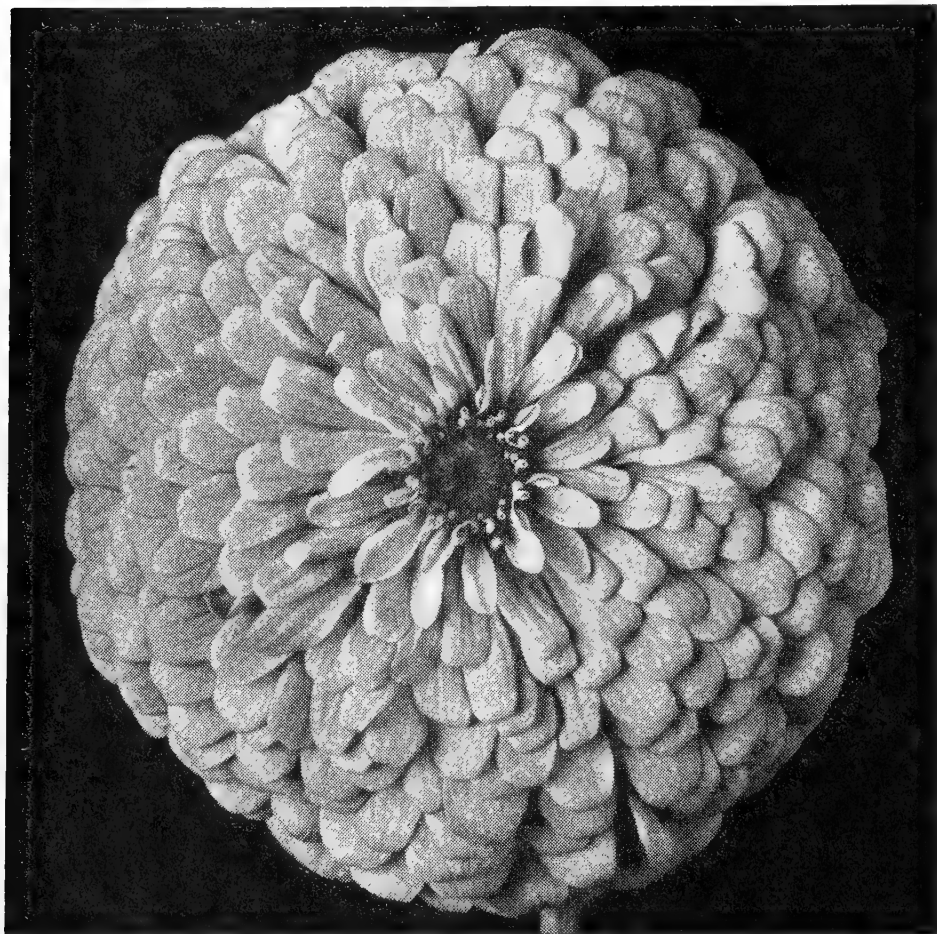
**741 PURITY.** White.

**742 SALMON QUEEN.** Salmon-rose.

**743 VIOLET QUEEN.** Deep purple.

**PRICE,** any of the above: **Pkt., 15c; ½ oz., 35c; ¼ oz., 60c; oz., \$1.75.**

**744 FINEST MIXED.** A mixture of the above varieties. **Pkt., 15c; ½ oz., 35c; ¼ oz., 50c; oz., \$1.50.**



California Giant Zinnia





Lilliput Zinnia

Fantasy Type,  
WildfireTom Thumb  
Zinnia

Early Wonder Zinnia

## McCullough's SMALL FLOWERED ZINNIAS

### Zinnia, Lilliput

This type of Zinnia forms a bush about 12 to 15 inches high and is covered with small, very double flowers in profusion. Excellent for cutting.

- 745 **BLACK RUBY.** Blackish maroon.
- 746 **CANARY-YELLOW.**
- 747 **DAINTY GEM PINK.**
- 748 **FLESH.**
- 749 **GOLDEN GEM.**
- 750 **LILAC GEM.**
- 751 **PURPLE GEM.**
- 752 **ROSEBUD.**
- 753 **SALMON-ROSE.**
- 754 **SCARLET GEM. (Red Riding Hood).**
- 755 **VALENCIA.** Burnt orange.
- 756 **WHITE GEM.**

**PRICE,** any of the above Lilliput Zinnias: Pkt., 10c;  $\frac{1}{8}$  oz., 25c;  $\frac{1}{4}$  oz., 40c; oz., \$1.20.

757 **FINEST MIXED.** A mixture of the above colors.  $\frac{1}{4}$  oz., 35c; oz., \$1.00; pkt., 10c.

758 **PASTEL MIXTURE.** Composed solely of delicate colors not found in the ordinary Lilliput Mixture. It comprises soft shades of apricot, peach, creamy yellow, shell-pink, delicate salmon, light rose and orchid. Pkt., 15c;  $\frac{1}{8}$  oz., 25c.

### Our Special Offer of Lilliput Zinnias

2757 Contains a packet each of Canary-yellow, Scarlet Gem, White Gem, Salmon-Rose and Purple. (Value 50c) for 40c.

### Scabiosa-Flowered Zinnia

An entirely distinct and attractive strain of Zinnia of exquisite form, reminding one of the double crested Cosmos and quite often resembling the Annual Scabiosa. The flowers are of medium size and each bears a collar of petals surmounted by a full double crest of the same tone of color. Height about 2½ feet.

759 **MIXED.** Color range from pale rose to crimson-scarlet with orange, golden and purple shades. Pkt., 15c.

### Cactus-Flowered Giants

Petals are quilled, curled and pointed; flowers 4 to 4½ in. across, 2 in. deep.

760 **MIXED COLORS.** Pkt., 15c.

### Zinnia, Crown o' Gold

761 **MIXED.** This new Zinnia derives its name and distinction from the fact that each petal of the flower is overlaid with a deep golden yellow at the base, while carrying out the individual flower color at the tip. The effect is a very pleasing two-tone color harmony. The color range comprises the more popular shades, including old rose, cream, yellow, carmine, and burnished red; the latter a new shade in Zinnias. Pkt., 15c.

### Fantasy Zinnias

New Zinnias are always welcomed by home gardeners and florists alike. While the Giant-Flowered varieties are still popular, the trend of late years has been toward the smaller flowered, more graceful types. This new Fantasy Zinnia meets this demand in all details. The rounded flowers are composed of a mass of shaggy raylike petals which give a delicate and refined appearance to the medium sized double flowers, large enough to satisfy the desire for massive color, yet small enough to lend themselves gracefully to flower arrangements. Plants 2½ to 3 feet in height, will bloom in 45 to 50 days after seed is planted.

762 **MELODY.** A rich orchid-lavender.

763 **STARDUST.** Golden yellow.

764 **WHITE LIGHT.** Pure white.

765 **WILDFIRE.** Dazzling scarlet.

766 **FANTASY MIXED.** Includes the brightest shades of red and orange as well as the pastel pink and cream.

**Price,** any of the above: Pkt., 15c;  $\frac{1}{8}$  oz., 35c;  $\frac{1}{4}$  oz., 60c.

### Early Wonder - A New Dwarf Race

A new race of dwarf early flowering Zinnias producing masses of medium size flowers on long, nearly leafless, stems. An excellent group for cutting. Height 15 to 18 inches.

767 **WONDER MIXED.** Pkt., 15c;  $\frac{1}{8}$  oz., 60c.

### Various Zinnias

768 **PUMILA MIXED.** Comprising all shades. Pkt., 10c;  $\frac{1}{4}$  oz., 25c.

769 **MEXICANA HYBRIDS.** Single and semi-double flowers somewhat like those of the French Marigold, in shades of yellow, orange, crimson, and brown. Height 18 inches. Pkt., 10c;  $\frac{1}{8}$  oz., 35c.

### Gaillardia-Flowered Zinnia

770 **NAVAJO.** Medium large flowers about 2 inches in diameter, in attractive two-tone combination of rose, bronze, yellow and orange. The colorings in this Zinnia are similar to those found in a Navajo rug, hence its name. Fairly long, stems, plant about two feet tall, fine for cutting. Pkt., 10c;  $\frac{1}{8}$  oz., 25c.

### Zinnia Linearis

771 **Linearis** is a dwarf early flowering form somewhat comparable to Mexicana Zinnia. The single flowers are deep golden orange in color, with a delicate light yellow stripe which contrasts boldly with the dark center—a combination which is most attractive. It is early flowering, and the plant reaches a height of 8 to 10 inches with a spread of as much as 2 feet. Pkt., 15c.

### Tom Thumb Zinnias

772 **Tom Thumb** is without exception the dwarfiest Zinnia known. The plants are rounded and compact, 4 to 6 inches high, literally covered with well formed flowers of the Lilliput type. The color range includes red, orange, yellow, pink, rose, and other pastel shades. During the hot, dry summer months this is the ideal border plant and it is also well adapted for window box and pot work. Pkt., 15c.

### Giant Crested Howard Zinnia

A cross between the smaller flowered Scabiosa type and the giant Dahlia-Flowered. Flowers 4 to 5 in. across, resembles a large double Pyrethrum.

773 **MIXED COLORS.** Pkt., 15c.

### McCullough's Special Large Flowering Zinnia Mixture

775 Consists of all giant sorts, including the best of the Dahlia-Flowered California Giants, Crown o' Gold, Curled and Crested. This mixture will produce a riot of color in your garden as well as cut flowers for the table. Pkt., 15c;  $\frac{1}{8}$  oz., 25c;  $\frac{1}{4}$  oz., 40c; oz., \$1.25.

### FEED THE WILD BIRDS

See page 56.



F. V. Geier Estate, Indian Hill, Cincinnati, Ohio

## Seeds of Hardy Perennial Flowers and Rock Garden Plants

There can be no greater joy than the planting of your own Perennial or Rock Garden, and certainly nothing more fascinating than actually growing from seed the plants and varieties desired. Perennials are those plants that go on living and increasing for a number of years, the stems dying down each season and coming again from the roots each spring. Most varieties are easily raised from seed sown during the late spring and early summer in frames or seed beds and transplanted to their permanent quarters in late summer or early autumn. If the seed be planted in August, they should be wintered over in the cold frame and transplanted to the border or rockery the following spring.

We recommend sowing perennial seeds in the spring. Seed germinates better, seedlings have an opportunity to develop into sturdy plants by fall, which permits them to winter over more successfully. The majority of these perennials bloom the second year from seed, although some, like *Coreopsis* and *Gaillardia*, grown early, bloom the first year. Perennials should be placed in clumps of three or five and left undisturbed for several years.

All varieties marked with an ® throughout the list are especially suitable for the rockery.

### Achillea - Milfoil or Yarrow

776 **PTARMICA, THE PEARL**. A free blooming hardy perennial, bearing a profusion of small, double, white flowers on plants 2 feet tall, during July and August. Easily grown from seed, flowering the first season, if sown early. **Pkt., 15c.**

### Agrostemma - Mullein Pink

777 **CORONARIA**. Silvery foliage and bright crimson flowers, free flowering hardy perennial of easy culture; blooms the first season; fine for cutting; 2½ to 3 feet. June to August. **Pkt., 15c.**

### Alyssum - Rock Madwort

®778 **SAXATILE COMPACTUM** (Basket of Gold). Showy, bright yellow flowers, hardy perennials; excellent for rock work; 1 foot. **Pkt., 10c; ¼ oz., 40c.**

®779 **SAXATILE COMPACTUM, SILVER QUEEN**. Broad masses of pale lemon flowers in early spring. Useful in the border as well as in the dry wall or rock garden. **Pkt., 20c.**

**ANNUAL SWEET ALYSSUM**. See page 6.

**VINES**. See page 30.

### Anchusa

780 **ITALICA "FELTHAM PRIDE"**. Upright habit, having flowers of the brightest blue. **Pkt., 25c.**

### Anthemis - Hardy Marguerite

781 **KELWAYI**. A most satisfactory hardy perennial, bearing all summer daisy-like, golden yellow blossoms; excellent for cutting. 2 feet. **Pkt., 10c.**

### Arabis - Rock Cress

®788 **ALPINA**. A hardy perennial and one of the earliest and prettiest spring flowers. The spreading tufts are covered with a sheet of pure white flowers as soon as the snow disappears. Unequalled for rockeries or edging; withstands the drought and is always neat; 6 inches. **Pkt., 15c.**

### Armeria - Sea Pink or Thrift

Attractive dwarf plants that are invaluable for the rock garden, thriving in sunny places and succeeding in any soil. Forms evergreen tufts of bright green foliage from which flowers appear in dense heads on stiff, wiry stems, from 3 to 12 inches high. May be easily raised from seed.

789 **GIANT HYBRIDS**. A mixture of bright pink, red and carmine. **Pkt., 20c.**



## Aquilegia - Columbine

### McCullough's Giant Long-Spurred Columbines

The following group comprises without doubt the finest long spurred Columbines to date. Huge flowers on plants 3-4 feet high; strong, robust and very free flowering.

**782 BLUE SHADES.** Pkt., 25c.

**783 PINK SHADES.** Pkt., 25c.

**784 LONG SPURRED MIXED.** All shades, including many not found in other strains. Pkt., 25c.

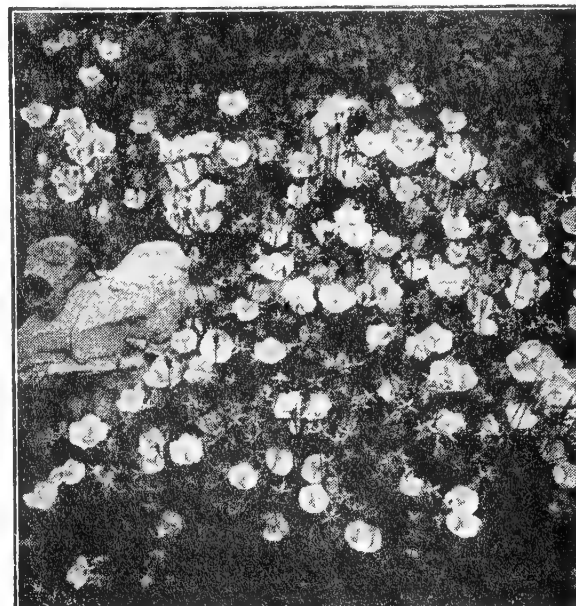
This graceful Hardy Perennial is an ideal plant for partially shaded borders. As a cut flower it is noted for its beauty of form and richness of color.

**CULTURE.** Columbines, especially the long-spurred hybrids, thrive in a light soil, loose and fibrous, provided by adding peat and well-decayed manure. When planted in partial shade, the flowers develop better, grow larger and last longer. Easily raised from seed.

**785 LONGISSIMA.** The flowers are of striking formation, with deep yellow petals and paler yellow sepals, and extremely elongated spurs. These spurs may be 5 inches or more in length. The effect is at once dainty, unusual and interesting. The plants are from 2 to 3 feet tall, with characteristic bright green cut-leaf foliage, and reddish stems. Flowers are produced during spring and early summer and are effective in the garden, although much more so in flower arrangements. Pkt., 35c.

**786 DOBBIE'S IMPERIAL HYBRIDS.** These new long-spurred Columbines are unequalled for their range of colors and sturdiness. They have received a great deal of attention abroad and are considered in England to be one of the best mixtures offered today. Pkt., 25c.

**787 MRS. SCOTT ELLIOTT'S STRAIN OF LONG-SPURRED HYBRIDS.** A renowned English strain, which enjoys a world's reputation for large size flowers with long spurs. The colors range from pure white through tones of pink, blue, yellow and red. Pkt., 20c.



Campanula Carpatica, Blue

### Bellis Perennis - English Daisy

A well-known dwarf-growing plant which bears massive and very double aster-like flowers. It is very useful for borders or growing for cut flowers. Plants are about 6 inches high and bear in greatest profusion.

**791 GIANT RED.** Crop failure.

**792 GIANT ROSE.** Crop failure.

**793 GIANT WHITE.** Crop failure.

**794 DOUBLE MIXED.** Large, double flowers, various shades, pink, red, white and other colors. Crop failure.

### Campanula

In this great family of plants are some of the loveliest and most enchanting of rock plants and alpine, as well as a great number of beautiful and useful plants for the open borders and for naturalizing in half-shaded wild gardens. Easily raised from seed and having the advantage of flowering late and giving blooms in the summer time when flowers in the rock garden or perennial border are scarce.

### Campanula - Bellflower

The following Campanulas are all hardy perennials and will succeed in ordinary rich soil.

**®795 CARPATICA, BLUE** (Carpathian Harebell). Free-flowering hardy perennial plants, continuing in bloom the whole season; color clear blue. Good for edging and rock gardens. Will bloom the first season if sown early. Height, 6 inches. Pkt., 20c.

**®796 CARPATICA ALBA.** The white-flowered form of the above. Pkt., 20c.

### Campanula Medium

#### SINGLE CANTERBURY BELLS

These single Canterbury Bells are highly valued by many gardeners as they will give an exceedingly fine display in the garden and will last quite some time as cut flowers. Cover during the winter with evergreen boughs to protect against severe freezing.

**797 Single Mixed Colors.** Pkt., 10c.

### Campanula Calycanthema

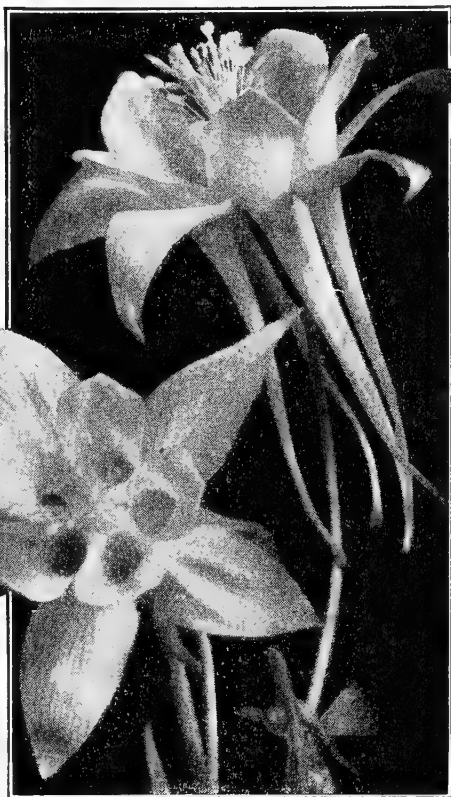
Cup-and-Sancer Canterbury Bells

**798 SPECIAL MIXTURE.** Pkt., 10c; ½ oz., 50c.



Campanula Medium

The varieties marked ® are especially suitable for the rock garden.



Columbine, Dobbie's Imperial Hybrids

### Aubrietia - False Wall Cress

Lovely dwarf growing perennial plant that should be enjoyed in more gardens. Their use is not confined to the rock garden but when massed on dry walls or along the edge of sunny borders with white Arabis and yellow Alyssum will give rich spreads of color. Moreover, they are easily raised from seed, blooming the second year. The plants should be well clipped over after flowering so that they will make a fine growth for the next years blossoming.

**790 LARGE FLOWERING HYBRIDS.** Exceptionally fine strain, including a wide range of many unusual colors, which cannot be fixed and offered separately. Pkt., 15c.

### GROW WHAT YOU EAT

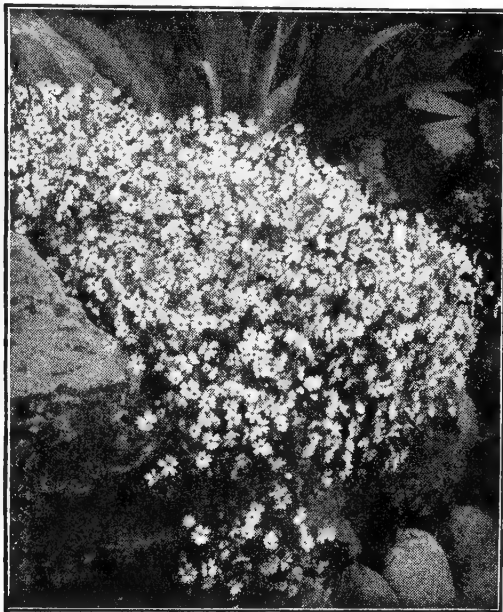
No garden is too small for vegetables. The quantity and quality of food produced will surprise you.

## Hardy Border Carnations

**800 GRENADIN MIXED.** Dwarf, compact plants with a great profusion of double flowers in various colors. Early flowering and invaluable for cutting. Will bloom first year if seed is sown early. 1 ft. **Pkt., 25c.**

## Centaurea

**801 MONTANA** (Perennial Cornflower). Hardy perennial variety, grows 2 feet high, bearing large violet-blue flowers from July to September. **Pkt., 15c.**



*Cerastium tomentosum*

## Cerastium - Snow-in-Summer

These blanketing hardy perennial plants are suitable for growing over stones and rough banks, also used on rough places in the rock garden or for edging of borders.

**802 TOMENTOSUM.** Narrow, silvery foliage with white flowers, suitable for planting in dry sunny places. 3 to 6 inches, June. **Pkt., 10c; 1/2 oz., 35c; 1/4 oz., 55c.**

## Cheiranthus

Very pretty dwarf hardy biennial plants, usually handled as annuals, flowering freely throughout the summer from seed sown in spring; for early spring flowering, sow in late summer. Splendid for rockery.

**803 GOLDEN BEDDER** (Siberian Wallflower). About 12 inches high with heads of brilliant orange flowers. **Pkt., 10c; 1/4 oz., 25c.**

## Coreopsis - Tickseed

Will flower the first year if sown very early.

**807 MAYFIELD GIANTS.** Deep golden yellow. This variety will produce a tall and vigorous plant, having long and firm stems and large individual blossoms. Excellent for cutting. Blooms freely all summer. **Pkt., 15c; 1/2 oz., 25c.**

**808 LANCEOLATA GRANDIFLORA.** Bright yellow Cosmos-shaped flowers. **Pkt., 10c; 1/4 oz., 25c.**

**809 SUNBURST.** This new double form is just as easy to grow as the single varieties offered above and the extra petalage adds a further charm to the flowers. **Pkt., 15c.**

## Chrysanthemum - Shasta Daisy

**804 NEW GIANT DOUBLE WHITE.** (Diener Strain). This strain includes an assortment of various types of double flowers ranging from the most fully double fringed petaled sorts through semi-doubles to a type which, though single, forms unusual and beautifully shaped flowers with lacinated, curled and quilled petals. The flowers are all large and carried on long wiry stems. **Pkt., 40c.**

**805 CONQUEROR.** A Shasta Daisy producing very large pure white flowers, 5 inches in diameter, borne on long, stiff stalks, 18 inches and more in length, of which the vigorous plant throws up a large number. Blooming takes place in about midseason and it is no doubt the largest variety for cutting yet produced. **Pkt., 15c; 1/2 oz., 35c.**

**806 ALASKA.** A splendid hardy perennial variety with flowers rarely less than 5 inches across, of the purest glistening white, with broad overlapping petals, and borne on long strong stems; a beautiful cut flower, remaining in good condition a week or more. **Pkt., 10c; 1/2 oz., 30c.**



*Dianthus, Cheddar Pink*

## Dianthus - Hardy Garden Pinks

Every garden should include some of the pinks because they are so easily grown and make such a wonderful display with their bright colored flowers. The plants are covered with sweet-scented flowers all during the summer. Grows about 1 foot high.

**822 ALLWOODI.** Mixed. A splendid strain, being half carnation and half pink. 75 per cent come double. **Pkt., 35c.**

**BARBATUS.** See Sweet William, page 29.

**823 HIGHLAND HYBRIDS.** Tall strong-stemmed Pinks in a mixture of colors, beautifully marked and zoned; of the same habits as Highland Queen. **Pkt., 20c.**

**824 PLUMARIUS** (Pheasant's Eye Pink). A semi-double hardy variety, clove-scented. Flowers bluish-white, shaded with crimson and maroon. **Pkt., 15c; 1/2 oz., 50c.**

## Dianthus Species

These well-known mountain plants are for the sunny border or sunny, exposed places in the rock garden or rock wall. They flower generally after the spring flowers are over and some are very fragrant. While having all the outward characteristics of high alpine plants, the varieties we list are as friendly and easily grown as Arabis or Alyssum. Hardy perennials.

**CULTURE.** Easily raised from seed, germinating quickly. Plant in ordinary good soil, which contains some lime and which should be well drained.

**825 CAESIUS** (Cheddar Pink). Pleasing to the eye at all seasons with its tufts of grey, narrow leaves and rose-pink fringed, spice-scented blossoms. Good for a south wall, or any dry, hot place on the rock garden. Will vary from 5 to 10 inches high. Late May to early July. **Pkt., 10c; 1/2 oz., 35c; 1/4 oz., 50c.**

**826 DELIGHT.** Will grow about nine inches high, of neat erect habit, will bloom from June to October. Flowers 1/2 inch wide in shades from the palest pink down to the deepest purple and reds. **Pkt., 25c.**

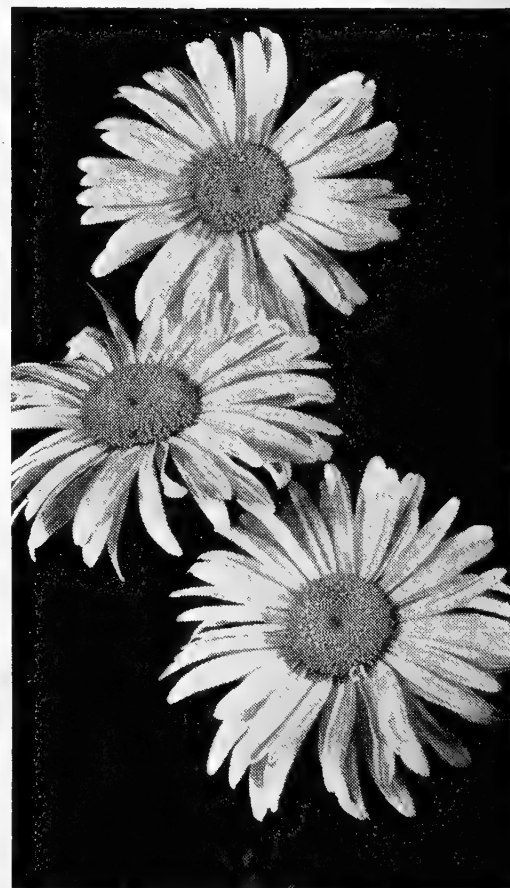
**827 SUPERBUS, LOVELINESS.** The plants are 12 to 15 inches tall, of good branching habit and very free-flowering. The shaggy appearing, finely fringed flowers of delicate rosy lilac are highly sweet-scented and measure from 1 1/2 to 2 inches across. **Pkt., 25c.**

**ANNUAL PINKS.** See page 11.

## Use Herbs —

ADD EXTRA FLAVOR WHEN YOU COOK THE VEGETABLES YOU HAVE GROWN.

See page 3.



*Shasta Daisy, Alaska*



## Delphinium - Hardy Perennial Larkspur

The Delphinium, or Hardy Larkspur, is one of the most valuable of all herbaceous plants. It provides many of the light and dark shades of blue colors greatly in demand, but very scarce. Many delightful shades of lavender and mauve are also present in the newest strains, all of which will be found in the choice varieties offered below.

**CULTURAL DIRECTIONS.** Delphiniums thrive in rich, deeply cultivated soil; however, any soil, even hot and sandy, if well watered and fertilized, will give excellent results.

If the flowering spikes are cut after blooming to within 8 to 10 inches from the soil, fertilized and watered, fresh growth will then be produced, which will give blossoms. Coal ashes strewn over the crown will protect the plants from slugs through the winter and spring, also forming a natural drainage of excess moisture from the crowns.

### Pacific Strain Delphiniums

We offer below seed direct from originator of their new Pacific Strains of Delphinium in four distinct shades. Each color has been developed separately to come true from seed with slight variations within the color. The originator reports 90% true from seed.

**810 BLUEJAY SERIES.** The bluest of the present blues, ranging from medium to dark with strongly contrasting dark bee. Very long spikes, quite mildew-resistant. Pkt., 50c.

**811 GALAHAD SERIES.** Clear white of enormous size. Pkt., 50c.

**812 KING ARTHUR SERIES.** Brilliant royal violet with large white bee. Individual florets 3½ inches in diameter, very thin woody stems with small foliage. Very long graceful spikes. Excellent for both cut flower and show purposes. Pkt., 50c.

**813 GUINEVERE SERIES.** Light pink-lavender self with white bee. Individual florets 2½ to 3 inches in diameter, large spikes, excellent branching habits. For cut flower and show purposes. Pkt., 50c.

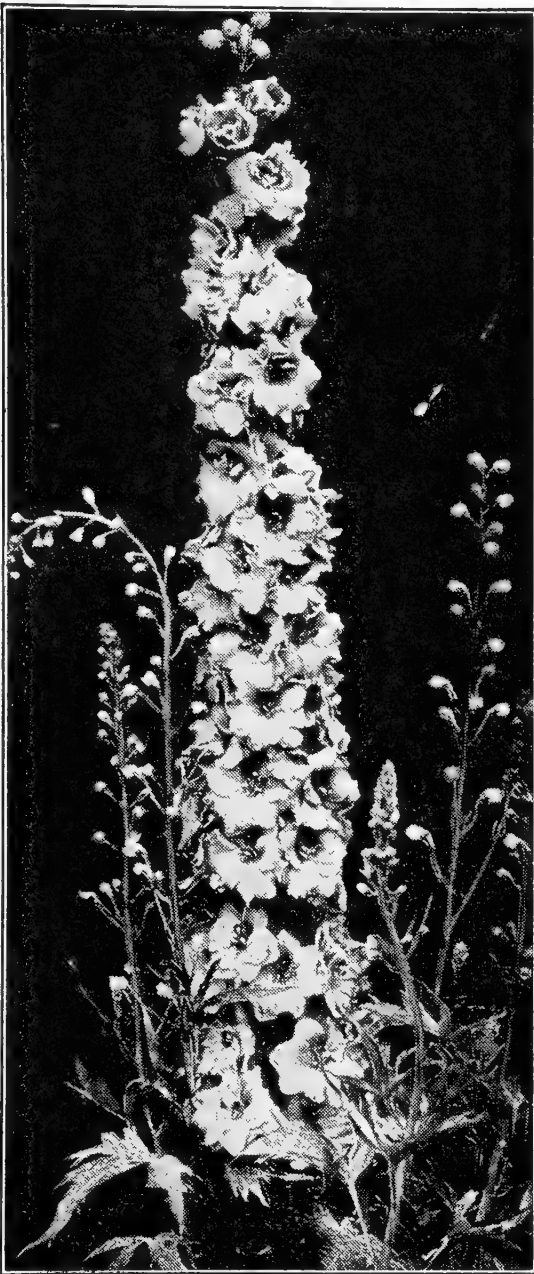
**814 SUMMER SKIES SERIES.** Clearest light blue with white bee. Individual florets 2 to 2½ inches in diameter. Thin woody stems with very strong branching habits. Ideal for cut flower purposes. Pkt., 50c.

**815 GIANT PACIFIC HYBRIDS (V. & R.)** A new strain of hand pollinated Delphinium seeds from California. Mildew resistant, having large, fine spikes with large flowers that remain in good condition over a long period. Shades of lavender, violet and blue. We believe this strain to be an improvement in the Hybrid Delphinium class. Pkt., 40c; 1/16 oz., \$1.35.

### Delphinium Mixtures of Famous English Specialists

**816 BLACKMORE & LANGDON'S STRAIN.** We take great pride in offering this unusually fine mixture, which contains nearly all of the newest varieties developed by these famous English Delphinium specialists. Many of their varieties have earned gold medal awards in England. The seed we offer is saved from their best varieties, including their novelties and imported direct from them by us. Mildew resistant. Pkt., 25c; 1/16 oz., 50c; ½ oz., 75c.

**817 WREXHAM HYBRIDS, HOLLYHOCK STRAIN.** A fine mixture of all shades of blue, lavender and mauve. Large flowers well placed on long pyramidal spikes. Their sturdy appearance reminds one of the Hollyhock, hence the name. Pkt., 35c; 1/16 oz., 90c; ½ oz., \$1.60.



Delphinium, Blackmore & Langdon's Strain

### Loose Spray Delphiniums

(Excellent for Cutting)

**819 BELLADONNA (Oliveden Beauty).** This is the freest and most continuous blooming Hardy Larkspur. The clear turquoise-blue of its flowers is not equalled for delicacy and beauty. Pkt., 15c; ½ oz., \$1.00.

**820 BELLAMOSUM.** This is a rich, deep blue form of the popular light blue Belladonna, having the same free-blooming and other good qualities. Pkt., 15c.

**821 CAMBRIDGE BLUE.** It is a rich clear blue, growing about 2 to 3 feet high. Excellent for cutting. Pkt., 15c.

**DELPHINIUM, ANNUAL.** See Larkspur, page 12.

### Digitalis - Foxglove

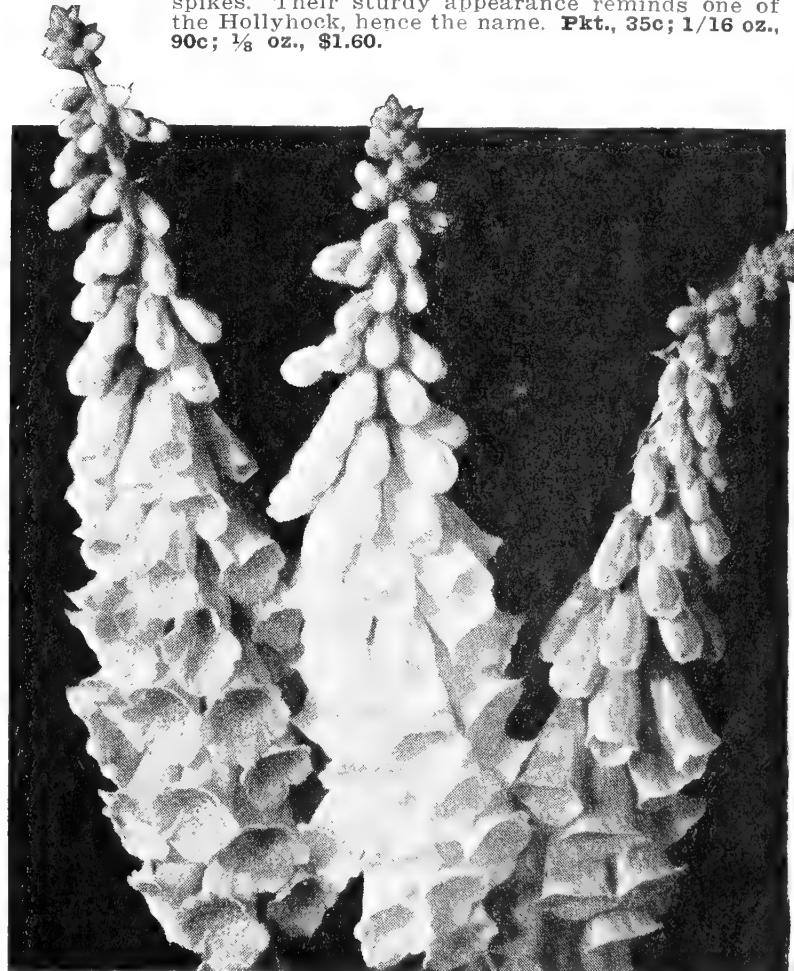
**828 SHIRLEY STRAIN.** The plants attain a height of 5 to 7 feet, with spikes 3 to 4 feet long carrying flowers of giant size, ranging in color from white to dark rose and handsomely blotched and spotted cream, maroon and chocolate. Pkt., 15c.

#### THE COMPLETE BOOK OF GARDEN MAGIC

By Roy E. Biles

The Complete Book of Garden Magic offers 298 pages of garden information, with many practical illustrations in detail.

Price: \$3.00, Postpaid.



Shirley Strain Digitalis



Gaillardia, Portola Hybrids

## Gaillardia - Blanket Flower

The Gaillardias are wonderful for cut flowers, blooming right through until frost, and adapt themselves to almost any kind of soil.

**829 PORTOLA HYBRIDS.** A superb new variety bearing flowers of immense size on long stems. The colors range through shades of bronze-red with golden tips; very robust. Hardy perennial. **Pkt., 15c.**

**830 BURGUNDY.** A brilliant coppery scarlet, sometimes yellow tipped. **Pkt., 20c.**

**831 GOBLIN.** This is the first dwarf, compact variety of Gaillardia especially suited for the rockery. The neat plants reach a height of 12-15 inches and are covered with large showy yellow bordered red flowers. **Pkt., 15c.**

## Gerbera - Transvaal Daisy

**832 JAMESONI.** Large daisy-like blooms on long stems in shades of yellow and red, attracting attention everywhere. Thrives well as a pot plant or in the open, if provided with winter protection. Height, 18 inches. Half-hardy perennial. **Pkt., 40c.**

## Geum - Avens

Geums have become indispensable border plants. The sorts named below bloom from early summer till late autumn, and the flowers, both for their purity of color and graceful poise, are much prized for cutting. Hardy perennial.

**833 DOUBLE, MRS. BRADSHAW.** The orange-scarlet flowers are very large and full, comes quite true from seeds and blooms the first year. This is a great advance over any other Geum seedling. Height, 18 inches. **Pkt., 10c.**

**834 DOUBLE LADY STRATHEDEN.** Fine, rich golden-yellow flowers, which match in other respects the popular scarlet variety, Mrs. Bradshaw, and will become as general a favorite. Height, 18 inches. **Pkt., 15c.**

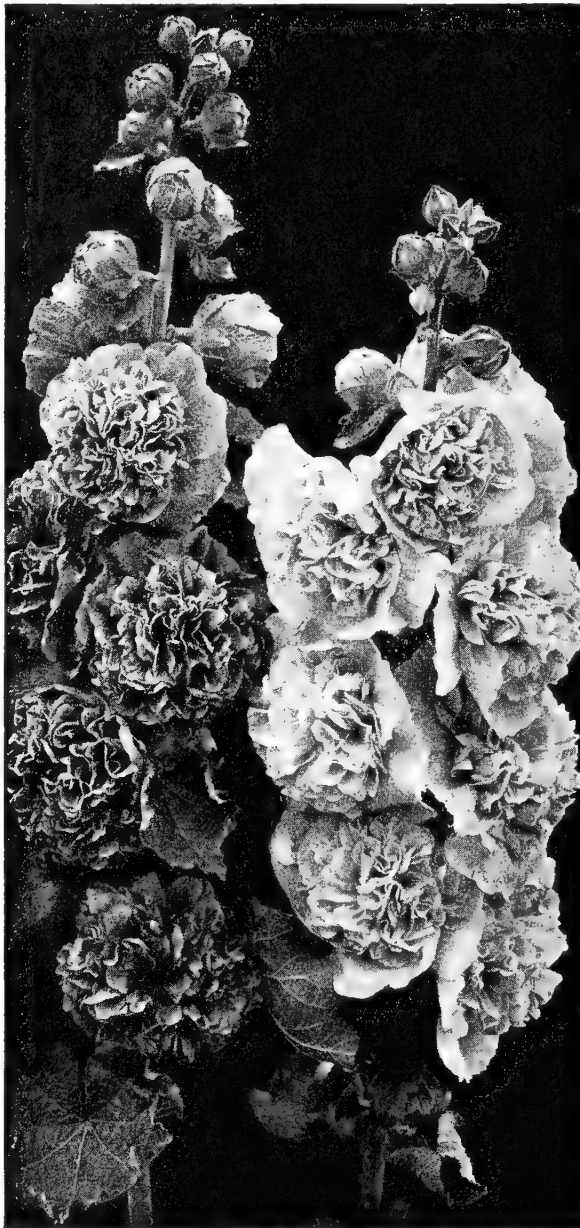
**835 ORANGE QUEEN.** This very fine new variety of a shade intermediate between that of Mrs. Bradshaw and Lady Stratheden, a bright orange-scarlet, has been in large demand during the past season. **Pkt., 15c.**

## Gypsophila - Baby's Breath

Pretty free-flowering plants, succeeding in any garden soil. Their misty white panicles of bloom are largely used for mixing with other cut flowers.

**836 PANICULATA.** Single. White flowers, fine for bouquets; blooms first year if sown early. Hardy perennial. **Pkt., 10c; 1/4 oz., 25c; oz., 60c.**

**837 PANICULATA.** Double. Pure white, giving a very large percentage of double flowers. Hardy perennial. **Pkt., 20c.**



Double Hollyhocks

## 2979 COLLECTION

### Twelve Easily Grown Hardy Perennials

**AGROSTEMMA.** Mullein Pink.  
**COLUMBINE.** Long spurred.  
**COREOPSIS.** Mayfield Giant.  
**DELPHINIUM.** Hybrid.  
**DIANTHUS.** Pheasant's Eye Pink.  
**FOXGLOVE.** Shirley Strain.  
**CANTERBURY BELLS.** Cup-and-Saucer.  
**GAILLARDIA.**  
**PLATYCODON.** Bellflower.  
**POPPY.** Orientale.  
**SHASTA DAISY.** Conqueror.  
**SWEET WILLIAM.**

One pkt. each of these 12 varieties,  
 Value \$1.90, for \$1.50.

## Hibiscus

(Rose Mallow or Marsh Mallow)

**839 GIANT FLOWERING.** Mixed. Showy, ornamental shrub, growing to a large size and blooming the first year from spring sown seed. Hardy as an oak and will thrive in any soil. The flowers often measure 8 to 10 inches across, are gorgeous in color and bloom in great profusion from late July to frost. Mixed colors. **Pkt., 15c.**

## Hollyhock

**840 DOUBLE WHITE.** An improved strain producing perfect double flowers. **Pkt., 15c; 1/4 oz., 75c.**

**841 NEWPORT PINK.** Pure pink; flower very double. **Pkt., 15c; 1/4 oz., 75c.**

**842 DOUBLE SCARLET.** Very brilliant. **Pkt., 15c; 1/4 oz., 75c.**

**843 DOUBLE YELLOW.** A bright lemon color. **Pkt., 15c; 1/4 oz., 75c.**

**844 DOUBLE MIXED.** Comprises all shades. **Pkt., 15c; 1/4 oz., 65c.**

**845 SINGLE HOLLYHOCKS.** Mixed. **Pkt., 10c; 1/4 oz., 25c.**

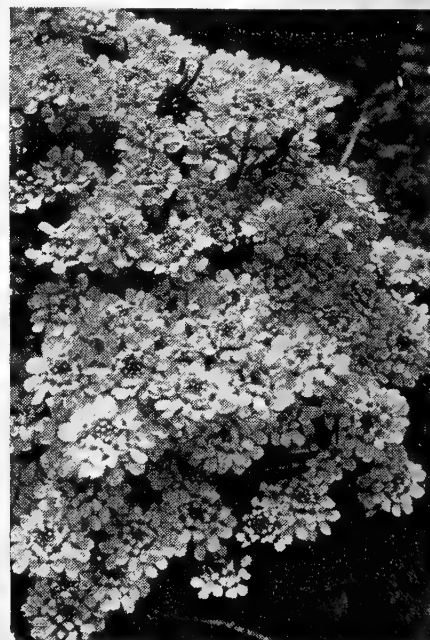
## Iberis - Hardy Candytuft

Low evergreen, shrubby perennial plants which are very valuable for dry sunny places, that are well-drained. The plants should be clipped over after flowering, in order to keep them compact and slightly. Easily raised from seed.

**847 JUCUNDA.** Pink. Very dwarf. **Pkt., 35c.**

**848 SEMPERVIRENS.** A splendid shrubby plant bearing dense clusters of china-white blossoms, which cover almost entirely the dark, shining evergreen foliage. It is a good border plant, fine for dry walls, and the rock garden. Will grow either in a sunny or half-shaded position, 10 to 12 inches. May and early June. **Pkt., 20c.**

**849 GIBALTARICA.** A very showy and large flowering variety with lilac-pink blossoms. A less hardy sort, needing protection in winter. It must be given the hottest and driest position. Prefers a light soil. 10 to 12 inches. May and June. **Pkt., 15c; 1/2 oz., 40c.**



Iberis, Jucunda





Honesty—Lunaria

### Honesty - Lunaria

**846 BIENNIS ALBA.** (Saint Peter's Penny). Hardy perennial admired for its silvery seed pods, used for winter bouquets. Beautiful cross-shaped flower. Sow in open ground in May. Protect over winter. **Pkt., 10c.**

### Lathyrus Latifolius

(HARDY SWEET PEA)

Showy, free-flowering hardy perennial climbers for covering old stumps, fences, etc.; continually in bloom; fine for cutting.

**850 MIXED.** All colors. **Pkt., 10c;**  
1/4 oz., 50c.

### Lavender - Lavandula Vera

**851** Well known, sweet-scented hardy perennials; should be extensively grown in the mixed border. 3 ft. **Pkt., 25c.**

### Lilium

Lilies do exceedingly well in the hardy perennial border. We recommend that they be planted among the hardy perennials, as the shade from the surrounding plants is necessary for their welfare. Lilies are very showy and hardy, and should be planted freely in the garden.

**852 REGALE** (Regal Lily). It is absolutely hardy and is excellent for forcing. The flowers are white, slightly suffused with pink, with a beautiful shade of canary-yellow at the center, and extending part way up the trumpet. It is delightfully perfumed, reminding one of the Jasmine, and lacking the heavy, oppressive odor of most Lilies. Blooms out-of-doors early in July, and seedling bulbs will flower the second year. Lift the bulbets in fall and replant to greater depth in their permanent location. **Pkt., 15c;** 1/2 oz., 35c.

**853 TENUIFOLIUM** (Coral Lily of Siberia). It is a gem. Perfectly hardy. One of the earliest to flower. 24 inches high with the flowers up and down on the stem. Blooms are deep scarlet and have recurved petals of waxy texture. **Pkt., 15c.**

### Linum - Flax

Showy, free-flowering plants with feathery foliage, suitable for dry, sunny borders or rock gardens. Will not thrive in heavy, damp soils.

**854 FLAVUM.** Gay yellow flowers in loose clusters. Foliage dark green, forming a dwarf group in the perennial border. Thrives in a sunny situation in light rich soil. Hardy perennial. **Pkt., 15c;** 1/2 oz., 60c.

**855 PERENNE.** Bright blue flowers. Hardy perennial. 18 inches. **Pkt., 15c.**



Regal Lily

### Russell Lupins

This new strain of perennial Lupins, as is now widely known, caused a sensation in horticultural circles. Raised by Mr. G. Russell of York, England, and are the results of twenty years work of a little known gardener whose name is likely to become a by-word among flower lovers. Awarded the Royal Horticultural Society's Gold Medal, June 1937. The long, closely furnished spikes flower in a great variety of rich colors, deep yellows, oranges, reds and brilliant bl- colors never seen in Lupins before. The flowers are large with flat, fan-like back-standards, and, unlike all other Lupins, most of the spikes retain their flowers throughout the whole period of development. Original stock.

**856 "RUSSELL."** Grown from originator's stock seed. A fine collection. 50 seeds, 25c.

For more beautiful and luxuriant Sweet Peas and Lupinus, inoculate with Nitragin. See page 50.

ANY FLOWER YOU  
HAVEN'T GROWN IS  
ALWAYS NEW

### Myosotis - Forget-Me-Not

**858 PALUSTRIS SEMPERFLORENS.** An everblooming variety, beginning to flower in May and continuing till autumn. Large, clear blue flowers in pretty sprays. Perennial. **Pkt., 15c.**

### Nierembergia

(BLUE CUP FLOWER)

**859 PURPLE ROBE.** Deep blue or violet-blue in color. This variety is a half-hardy perennial treated as an annual, blooming in about 15 weeks from sowing. It prefers full sun, sandy loam, and makes a grand border and edging subject. It will remain in bloom over a long period, and with a colorful blanket of blue. Very dwarf, about 6 inches tall, cushion-like plant, surmounted with flowers the color of silvery blue Petunias. Awarded Bronze Medal, All-America Winners for 1942. **Pkt., 20c.**

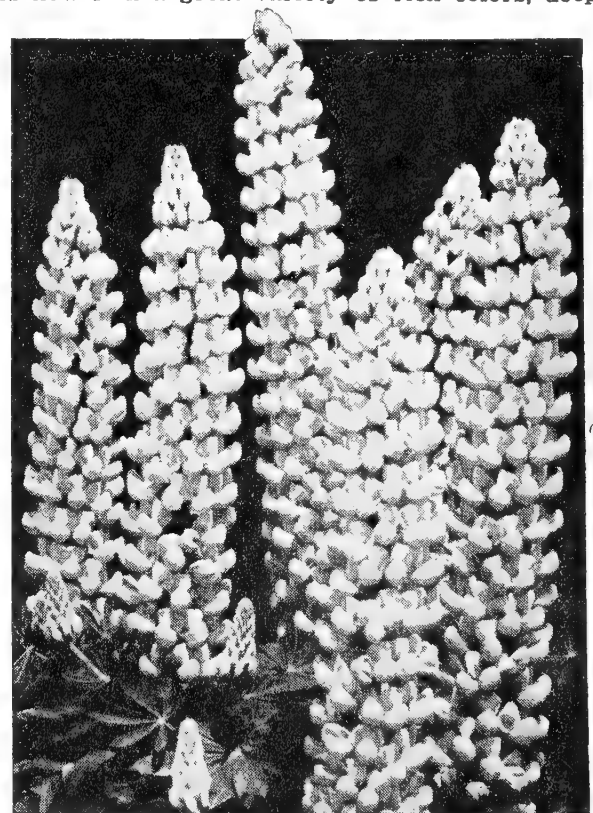
**PANSIES, TUFTED.** See Viola, page 29.

### Platycodon - Balloon Flower or Bellflower

One of the best hardy perennials, producing very showy flowers during the whole season. They form large clumps and are excellent for planting in permanent borders or among shrubbery; easily raised from seed, which begins blooming in August if sown outdoors in April.

**863 GRANDIFLORUM BLUE.** Large, deep blue flowers. **Pkt., 15c.**

**864 MARIESI.** A beautiful dwarf species, with broad, thick foliage and large, deep violet-blue flowers on 12-inch stems in great profusion throughout the entire summer. Plant in front of the border or in the rock garden. **Pkt., 15c.**



Russell Lupins



Pyrethrum—Painted Daisies

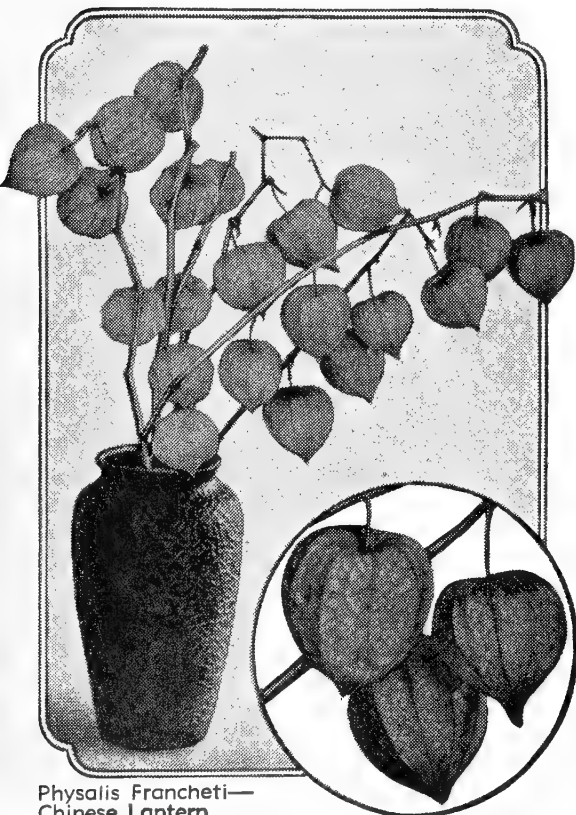
### Pentstemon - Beard Tongue

**860 GLOXINOIDES, "SENSATION."** Gloxinia-like flowers in a very wide range of bright colors, including rose, red, carmine, pink, lilac, purple, etc. **Pkt., 15c.**

**PETUNIA.** See pages 15 and 16.

### Physalis - Chinese Lantern Plant

**862 FRANCHETI.** An ornamental plant forming dense bushes about two feet high, producing freely its bright orange-scarlet lantern-like fruits, which can be cut and dried for winter bouquets; highly interesting. Perennial. **Pkt., 15c.**



Physalis Francheti—Chinese Lantern

### Phlox, Perennial

**861 DECUSSATA MIXED.** Contains all the new brilliant colors; large flowering. **Pkt., 15c.**

### Perennial Poppies

#### Oriental Poppies (Papaver Orientale)

These are highly decorative. Their huge, brightly colored flowers are borne profusely during May and June. Sow where to bloom. Height 3 feet.

**865 ORIENTALE, PERRY'S WHITE.** The flowers are of a fine satiny white with a crimson-maroon blotch at the base of each petal. **Crop failure.**

**866 SALMON QUEEN.** Lovely salmon-yellow. **Crop failure.**

**867 ORIENTALE, SCARLET.** Very hardy, producing showy scarlet flowers. **Pkt., 15c.**

**868 ORIENTALE HYBRIDS.** Mixed colors. **Pkt., 15c.**

### Iceland Poppies - Papaver Nudicaule

Graceful light green tufts of foliage; large, gaily colored flowers on stems 1 foot tall. Bloom for many months.

**869 FAKENHAM HYBRIDS.** A blend of new tints, such as apricot, biscuit, mauve, deep tangerine, all shades of lemon and many others. **Pkt., 10c.**

### DOWN THE PRIMROSE PATH

#### Primula - Hardy Primrose

The Primrose is a splendid plant for naturalizing near shrubs or shaded nooks and moist places on the rockery. Primroses are not at home in the open herbaceous borders, but thrive in sheltered, lightly wooded places, where they may grow among the violets, hepaticas and bloodroot. They generally establish themselves in damp and shaded positions which are generally most difficult to fill. Perennial.

**870 VULGARIS.** The old English Primrose with pale yellow flowers, 6 to 9 inches high. Grows in half shade. Mid-April to June. **Pkt., 20c.**

### Polyanthus (Bunch Primrose)

Showy, free-flowering perennials that should be used largely in borders, wild gardens and rockeries. If your soil is light and dry and you have no shaded situations, do not try to grow the true Primroses as offered above, but confine your efforts to the Polyanthus that we list below. The Polyanthus or Bunch Primroses will thrive in full sun if they have some moisture at the root, if not, they must be given the comfort of partial shade.

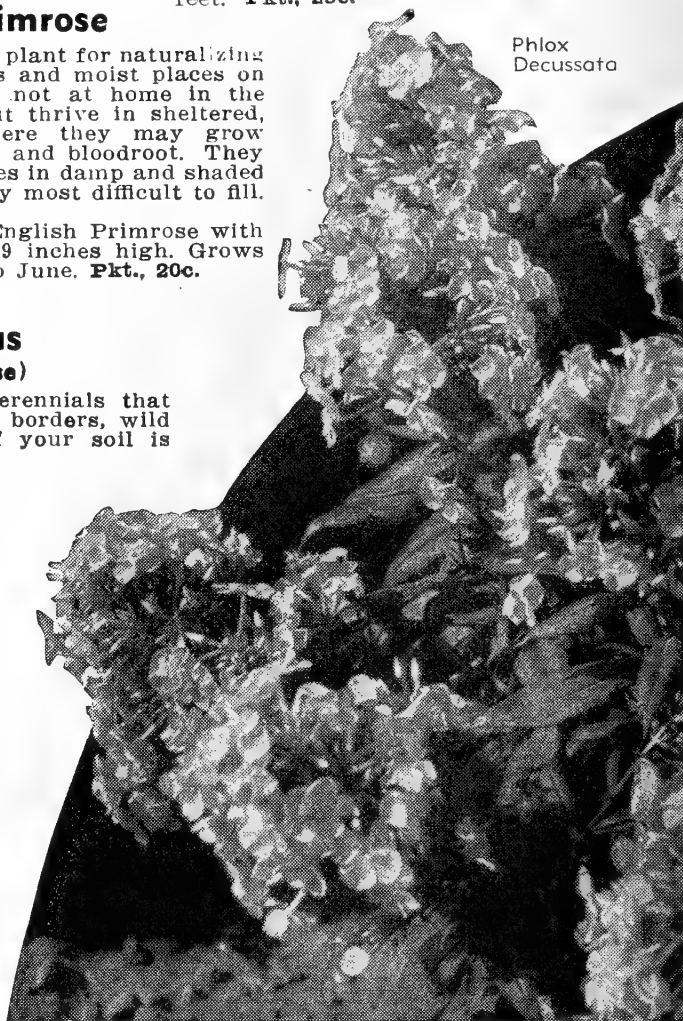
**871 MRS. BERKELEY'S STRAIN.** The seed of this strain is saved only from the largest flowers having the best form and special pains are taken to ensure as wide a range of colors as possible, including brilliant shades of red, orange and bronze, as well as the richest maroons and yellows, and pure white. **Pkt., 35c.**



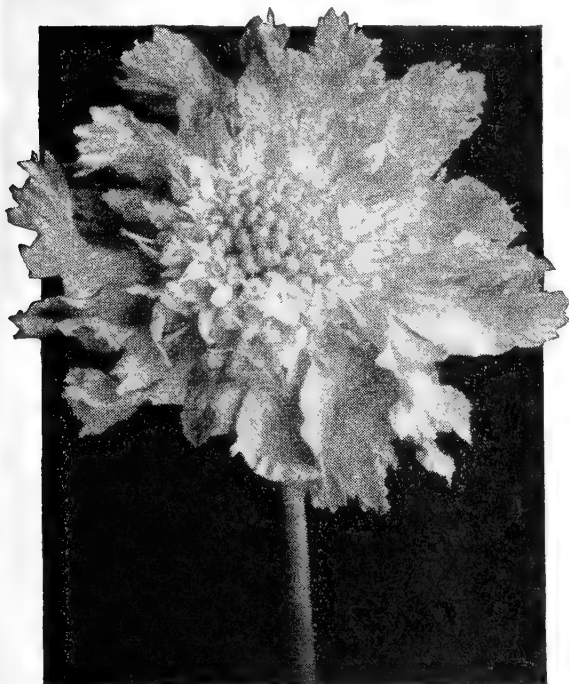
Oriental Poppies

### Pyrethrum - Painted Daisy

**872 HYBRIDUM.** Single and double varieties, mixed. Hardy perennial, bearing large, daisy-like flowers, ranging in color from white to deep red, with bright yellow centers; blooms in May and June, and again in the fall; and is one of the most graceful and long-lasting cut flowers. 2 feet. **Pkt., 25c.**

Phlox  
Decussata





Scabiosa Caucasica, Blue Perfection

### Perennial Scabiosa

**873 ISAAC HOUSE STRAIN.** A wonderful improvement in perennial Scabiosa. They are more vigorous in their plant growth, having longer and stouter stems with the average size of flower more than a third larger than the best strain of Caucasica we have seen. Outer edges are ruffled and fringed, and the colors range from a very light lavender to a dark blue. **Pkt., 25c.**

**874 COLUMBARIA.** This is a South African form of the European Scabiosa and although reminiscent of Caucasica, is a distinct type. It can be briefly described as a hardy, low growing perennial with fine, light green foliage; some of the flowers measuring from two and a half inches across with short compact petals, borne on long, slender, but strong stems. We offer this choice perennial in a beautiful pink shade which is a new color in Perennial Scabiosa. **Pkt., 20c.**

**875 CAUCASICA, BLUE PERFECTION.** 3 feet. Especially valuable for cutting, the blooms lasting an unusually long time in water. **Pkt., 15c.**

**876 CAUCASICA ALBA.** A huge pure white variety; the flowers, three to four in. across on long stems; exquisite for vases, lasting a long time. **Pkt., 20c.**



Veronica Spicata

### Sweet William - Dianthus Barbatus

A well known, old-fashioned perennial which has long been used for beds and borders. It is one of the most desirable plants in the garden, is easily grown, very hardy and free flowering, continuing in bloom for several weeks. The flowers are borne in heads or clusters, sweet scented, in brilliant colors ranging from pure white through pink, crimson, etc., to deep purple. Most of them have two colors in the same flower. They are borne on stiff stems in graceful profusion and the clusters are often 3 to 4 inches across. Useful for cutting. Height 1½ feet.

**877 NEWPORT PINK.** In color it is what florists call watermelon-pink or salmony rose. **Pkt., 15c.**

**878 HOLBORN GLORY.** The individual flowers and trusses are of extraordinary size, while the range of color, all showing a clear, white eye, is truly superb. **Pkt., 15c.**

**879 SCARLET BEAUTY.** Intense scarlet. **Pkt., 15c.**

**880 DOUBLE MIXED.** A splendid strain of this beautiful perennial, comprising a great variety of excellent shades. **Pkt., 15c.**

**880A MIDGET SINGLE MIXED.** 3 to 4 inches. Alpine Sweet William, uniform habit. The color range is from white, salmon, scarlet to maroon, with most blooms tri-color. **Pkt., 15c.**

**880B MIDGET DOUBLE MIXED.** An attractive double form of the above. **Pkt., 25c.**

### Tritoma

(Red Hot Poker or Torch Lily)

**881 HYBRIDA.** The introduction of new, continuous flowering Tritomas has given them a prominent place among hardy bedding plants. It is not generally known that they are readily grown from seed, many flowering the first year if sown early. Of course, for immediate results it will be better to get plants, but raising them from seed is highly interesting. Perennial. **Pkt., 15c.**

### Veronica - Speedwell

Hardy perennials, suitable for the border and rock gardens, of easy culture, thriving in any good ordinary soil. Cut back all faded flowers to promote new growth and additional blooms.

**882 SPICATA.** An elegant border plant, growing about 1½ feet high, producing long spikes of bright blue flowers in June and July. Hardy perennial. **Pkt., 15c.**

### Viola Cornuta (Tufted Pansies)

A tufted plant of strong growth, bearing a profusion of faintly scented flowers the size of small Pansies. Valuable for the border or rock garden. Grows in sun or half shade, 5 to 8 inches high. If the plants are sheared several times during the season so that the flowers do not go to seed, they will bloom from late April until frost. Perennial.

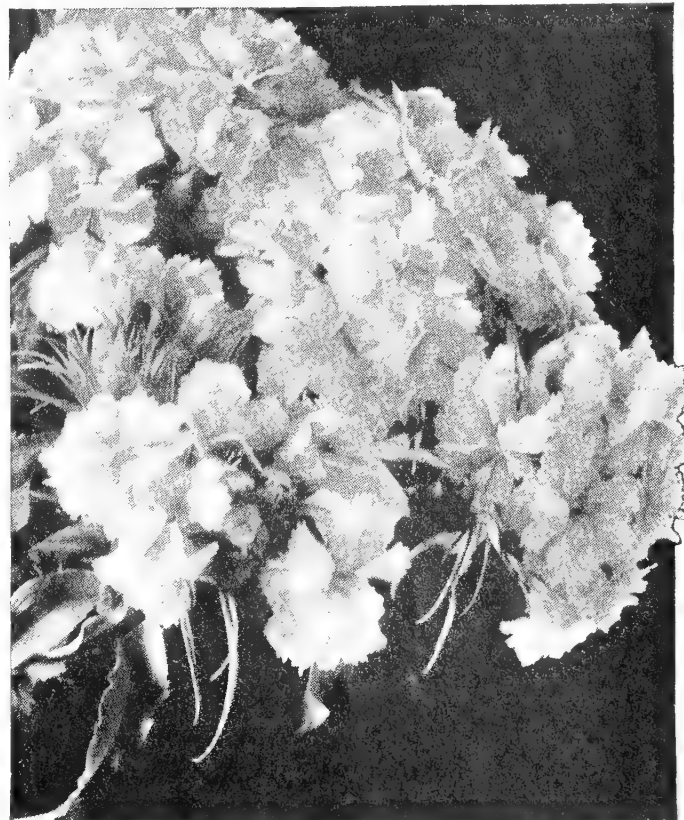
**883 CORNUTA MIXED.** A mixture including all shades. **Pkt., 20c.**

### Large Flowering Violas

**884 LARGE FLOWERING MIXED.** **Pkt., 35c.**

### Wild Flower Seed

**885** A blend of over 100 different and delightful wild flowers of the world. It will delight and surprise you. **Pkt., 15c; oz., \$1.00; ¼ lb., \$3.75; lb., \$14.00.**

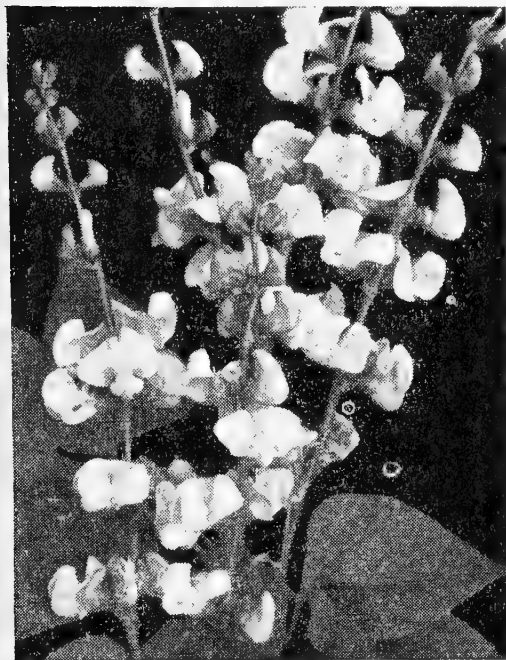


Sweet William, Newport Pink



Tritoma—Red-Hot Poker

## VINES—Climbers and Trailers



Hyacinth Bean

### Morning Glories

The well known and popular hardy annual climbers which produce large trumpet-like flowers of many brilliant colors. Seed is sown where they are to bloom, thinning as may be desired. Height 10 to 15 feet.

**894 HEAVENLY BLUE.** Immense flowers of bright sky-blue; very beautiful.  $\frac{1}{4}$  oz., 25c; pkt., 15c.

**895 SCARLETT OHARA.** Dark wine-red, early blooming with attractive foliage. Pkt., 15c;  $\frac{1}{4}$  oz., 50c.

**896 PEARLY GATES.** The flowers are a lovely lustrous white with creamy shading deep down in the throat. They average  $4\frac{1}{2}$  inches across. Awarded Silver Medal, All-America Winners for 1942. Pkt., 15c.

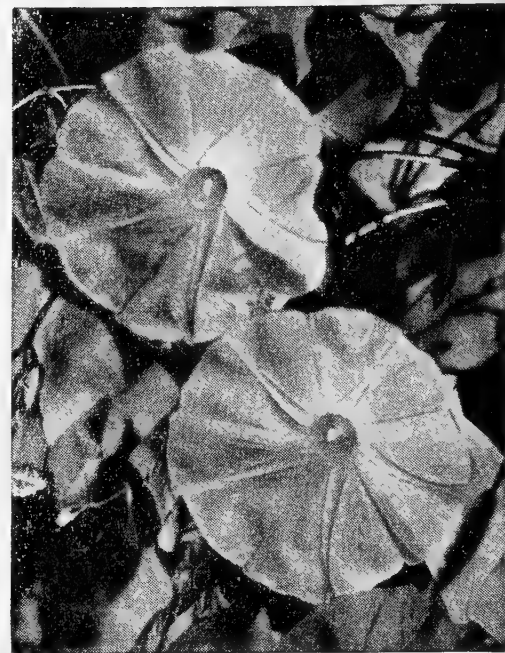
**897 RED, WHITE and BLUE MIXTURE.** A mixture of the above three named varieties. Pkt., 15c.

### Hyacinth Bean

(Dolichos Lablab)

A beautiful tender annual bearing large clusters of purple and white flowers which are afterwards followed by ornamental purple seed pods. Height 15 to 20 feet.

**890 MIXED COLORS.** Pkt., 10c.



Morning Glory

### Balsam Pear and Apple - Momordica

Tender annual climbers bearing ornamental fruits of various colors. They grow 10 to 12 feet high. Have light green foliage, rather large leaves and are very graceful.

**886 BALSAM APPLE.** Like Balsam Pear with foliage smaller and smaller fruits, very nearly round. Green striped when young, afterwards becoming scarlet. Pkt., 10c.

**887 BALSAM PEAR.** Fruit oblong, pointed and warted, first green, afterwards changing to bright red. When fully ripe, burst open exposing the seed. Largely used for putting in alcohol or whiskey and used as a poultice or for cuts, bruises and wounds. Pkt., 10c.

### Thunbergia - Black-Eyed Susan

An attractive climber growing 4 to 6 feet long which is largely used for garden vases, window boxes, hanging baskets, etc. Flowers are about 1 inch across, being of creamy white, buff and orange colors, with very dark brown throats; very free blooming. A very attractive plant both in foliage and in abundance of flowers.

**898 MIXED.** Pkt., 10c;  $\frac{1}{4}$  oz., 45c.

### Cardinal Climber

**888** The most brilliant, beautiful and distinct annual climber introduced for many years. Rapid grower with branching habit; flowers all summer; cardinal-red clusters, 15 to 25 feet. Pkt., 15c.

### Moonflowers

These beautiful climbers grow rapidly and will reach a height of 20 to 30 feet. For best results, start seeds indoors and set plants out when weather has become warm. Soaking the seed in warm water for twenty-four hours is beneficial.

**892 SKY BLUE.** Large, sky-blue flowers. Blooms profusely. A strong growing vine, excellent for porches, garden houses, etc. Blooms late September and October. Pkt., 10c.

**893 GIANT WHITE.** The vines are just covered with immense white flowers, opening in the evening and remaining open during cloudy days. Pkt., 10c.

### Ice Plant - Mesembryanthemum

**891** Valuable for hanging baskets, rockwork, vases and window boxes. It is curious growing, the leaves and stems appearing as though covered with ice crystals. A tender trailing annual growing about 6 inches high and the vines will extend 2 feet long. Pkt., 10c.

### Cypress Vine

A beautiful rapid growing climber with delicately cut, vivid green foliage and starlike flowers which make a most effective contrast with the leaves. Annual. About 15 feet high.

**889 MIXED.** Scarlet and white. Pkt., 15c.

## Seeds of Curious and Ornamental Gourds

Interesting in the Garden—Decorative in the House

Rapid growing annual climbers suitable for sowing around arbors, trellises, fencing, etc. Large-fruited gourds are used as dippers, bird houses, etc., and the small-fruited gourds are enormously popular for table decorations.

**Culture.** Gourd seeds are usually sown in the open ground in May. For an early crop seed may be sown in pots placed in hotbeds and set out into the open ground when all danger of frost is past. This adds to the time of maturing the gourds on the vine. When very large fruits are desired, only two or three should be left on each plant. The branches should then be cut a few leaves beyond the last fruit. Do not let vines suffer for lack of water.

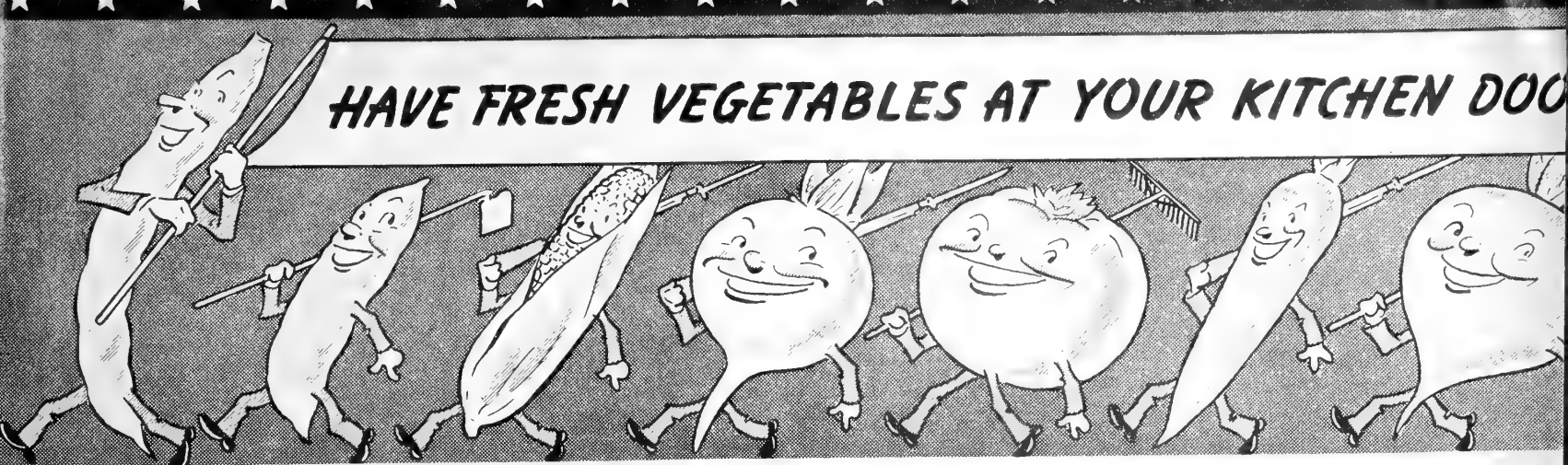
### Small Fruited Gourds (C-Pepo)

**899 SMALL VARIETIES MIXED.** Pkt., 10c; oz., 50c.

### Large Fruited Gourds (Lagenaria)

**900 LARGE-FRUITED VARIETIES MIXED.** Pkt., 10c; oz., 50c.





# HAVE FRESH VEGETABLES AT YOUR KITCHEN DOOR

Hostilities have ceased—but food, clothing, and shelter must go on. Seed is the mother of all foods, whether it be for man or beast. Whether the population is working in war plants, or whether they are following peacetime pursuits, they must still

eat. Even during the war, war workers found the benefit of fresh vegetables at their kitchen door and certainly in times of peace they will have extra hours to spend in their gardens and will continue to have these vegetable gardens.

## ASPARAGUS

One ounce of seed will sow 75 feet of row and produce about 250 plants.

**From Seeds** Sow seed as early as possible in the spring. The plants should be set in the permanent bed when one or two years old.

**1. WASHINGTON—The Best Variety.** This variety has proven as nearly rust-proof as is possible to produce Asparagus. It is much in demand on account of its heavy yield and fine flavor. The stalks are rich, dark green color, tinted darker at tips.  
Pkt., 10c; oz., 20c.

**FRESH DUG ASPARAGUS ROOTS.** See page 5.

## BEANS Dwarf or Bush Varieties

If planted every 2 or 3 weeks, commencing after all danger of frost has passed and continuing until about August 15th, a supply will be kept up during the whole summer.

One pound plants about 100 feet. An acre requires 1 to 1½ bushels. Half pound planted every 3 weeks is sufficient for a medium garden. They are ready for table from 40 to 50 days after planting.

**Culture.** For field culture plant in rows 2½ feet apart, dropping the Beans 3 to 4 inches apart in the rows, covering about 2 inches with soil. In small gardens, rows may be 18 inches apart. Up to the time of blooming, cultivate often, but never while the vines are wet, and do not disturb the roots, especially after blooming, as they will blight and the crop will be reduced. Constant picking extends bearing.

**Insect Remedies—**For Mexican Bean Beetle, dust the under side of leaves with Rotenone. See page 59.  
For fungous diseases and rust, spray with Bordeaux Mixture.

### Green Podded Beans

**2 TENDERGREEN.** (53 days.) Stringless. One of the very best of the round, green-podded Beans. Fleshy pods about 6 inches long, strictly stringless and of fine quality. Very productive and closely resembles an improved Full Measure Bean.  
Pkt., 15c; ½ lb., 25c; 1 lb., 45c; 5 lbs., \$1.75.

**3 STREAMLINER.** (51 days.) There is a constantly growing demand for a dwarf, white-seeded, stringless green pod Bean. Here it is. Bush 14 to 18 inches in height, shows some frost tolerance. Pods 7 to 9 inches in length, thick, flat, straight to slightly curved. Develops fiber rather quickly unless picked at young stage. Seeds are pure white and if allowed to ripen, are useful for soup or baked beans.  
Pkt., 15c; ½ lb., 25c; 1 lb., 45c; 5 lbs., \$1.75.

**4 HOPKINS RED VALENTINE.** (52 days.) A well known, very early sort. Pods of medium length, about 4½ inches long, of medium green color, curved, cylindrical with crease in the back; very fleshy, crisp and tender. Vines medium to large.  
Pkt., 15c; ½ lb., 25c; 1 lb., 45c; 5 lbs., \$1.75.

**5 STRINGLESS RED VALENTINE.** (52 days.) Similar to Improved Earliest Red Valentine except the pods are stringless.  
Pkt., 15c; ½ lb., 25c; 1 lb., 45c; 5 lbs., \$1.75.

**6 STRINGLESS GREEN POD.** (50 days.) A very handsome long, cylindrical, green Bean. Pods larger than those of Valentine and straighter. Very fleshy and remain crisp and tender longer. Bush of vigorous growth and productiveness. A very desirable sort for home gardens and largely grown for market.  
Pkt., 15c; ½ lb., 25c; 1 lb., 45c; 5 lbs., \$1.75.

**7 GIANT STRINGLESS GREEN POD.** (53 days.) A highly productive and very handsome sort. Vines vigorous, spreading. Pods large, round, averaging larger and straighter than the Stringless Green Pod, but a few days later.  
Pkt., 15c; ½ lb., 25c; 1 lb., 45c; 5 lbs., \$1.75.

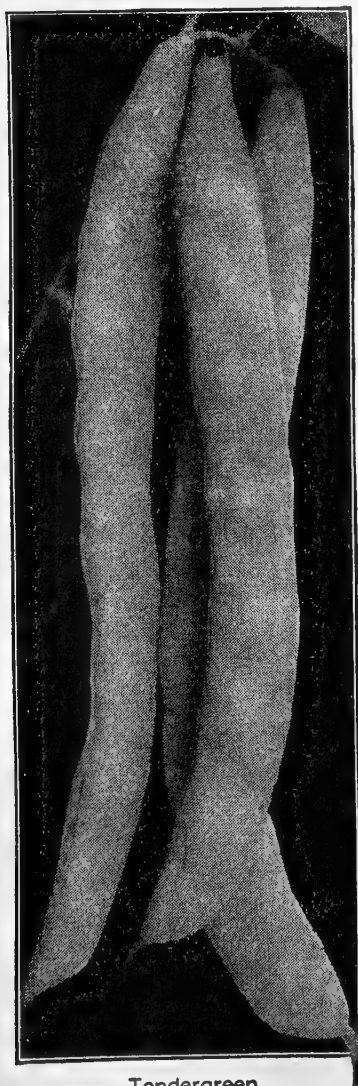
**8 DWARF HORTICULTURAL.** (52 days.) Very popular in most localities, especially for market, as they are valuable both for snap Beans and shelling. They become fit for use as shelled Beans early, and in this condition the Beans are large, easily shelled and equal to Lima Beans in quality. The vines are very productive, compact and upright in growth, with large leaves. The pods are 5 to 5½ inches long, broad, thick, curved and have splashes of bright red on yellowish green.  
Pkt., 15c; ½ lb., 25c; 1 lb., 45c; 5 lbs., \$1.75.

**9 FULL MEASURE (Perfection Stringless).** (53 days.) A very desirable round-podded variety with pods about 6½ inches long, which are solid, meaty, brittle and stringless. It is a little later than Stringless Green Pod and is a splendid Bean for home or market use.  
Pkt., 15c; ½ lb., 25c; 1 lb., 45c; 5 lbs., \$1.75.

**10 REFUGEE STRINGLESS GREEN POD.** (68 days.) A stringless Bean having the many excellent qualities of Late Refugee or 1000 to 1. As hardy and productive as the old Late Refugee; seed same color, and retaining all the good qualities of that sort. Vine 15 to 18 inches tall. Pods 5½ inches long, round, meaty, slightly curved and containing 5 or 6 beans.  
Pkt., 15c; ½ lb., 25c; 1 lb., 45c; 5 lbs., \$1.75.

**11 BOUNTIFUL.** (48 days.) An improved long Yellow Six Weeks; earlier, very much larger and more tender. It is very hardy, extremely early, prolific, and bears continuously for several weeks. Pods are flat, absolutely stringless, rich green, large and handsome. For very early or very late planting it is desirable for both home garden and market.  
Pkt., 15c; ½ lb., 25c; 1 lb., 45c; 5 lbs., \$1.75.

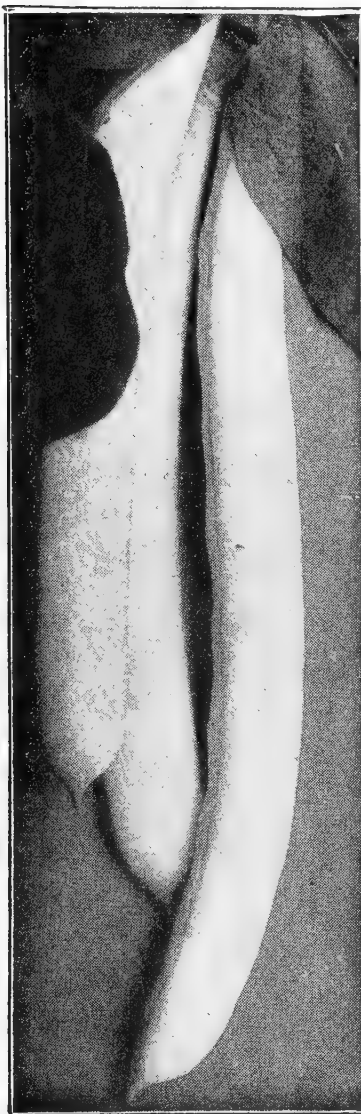
**12 TENNESSEE GREEN POD.** (49 days.) A dwarf, early snap Bean, very hardy and more capable of withstanding inclement weather than most other sorts. The vines are large, somewhat spreading, prolific. The pods are very long (often 6 to 7 inches) flat, irregular in shape, of dark and vivid green color.  
Pkt., 15c; ½ lb., 25c; 1 lb., 45c; 5 lbs., \$1.75.



Tendergreen

WHEN ORDERING, SEE PAGE 64 OF THIS CATALOG

## DWARF WAX BEANS



Improved Golden Wax

**13 PENCIL POD BLACK WAX.** (54 days.) One of the most popular varieties for home use and market. The pods are about  $4\frac{1}{2}$  inches long, slightly curved, round, very brittle and tender. They are very fleshy, clear golden yellow and remain tender a long time.

Pkt., 15c;  $\frac{1}{2}$  lb., 30c; 1 lb., 50c; 5 lbs., \$2.25.

**14 IMPROVED GOLDEN WAX.** (50 days.) An early maturing variety, very productive. Vines erect, compact, bearing pods well off the ground. Pods nearly straight, broad, flat, golden yellow, very fleshy and waxlike, usually  $4\frac{1}{2}$  to 5 inches long. A good sort for home garden, either for table use or pickling.

Pkt., 15c;  $\frac{1}{2}$  lb., 30c; 1 lb., 50c; 5 lbs., \$2.25.

**INOCULATION FOR BEANS.** Increase your yields of Beans by treating the seeds before planting with NITRAGIN INOCULATOR. Easily done. We have it in convenient size for small gardens. (See page 50.)

### Dwarf Beans—For Shelling Only

**Culture.** Plant in rows about  $2\frac{1}{2}$  ft. apart. Require about  $\frac{1}{2}$  bushel per acre. Other sorts about a bushel.

**16 DWARF WHITE NAVY.** (95 days.) The well known small oval white variety so largely used in all sections.

Pkt., 10c;  $\frac{1}{2}$  lb., 20c; 1 lb., 30c; 5 lbs., \$1.25.

**17 DWARF WHITE MARROW.** (100 days.) Beans oval, about double as large as Navy. Vines vigorous and productive.

Pkt., 10c;  $\frac{1}{2}$  lb., 25c; 1 lb., 40c; 5 lbs., \$1.75.

### Cornfield Beans

**Culture.** Pole beans are more sensitive to cold and wet than Dwarf varieties, hence should not be planted too early. Use poles from 6 to 8 feet long in rows 4 feet apart, placing the poles 3 feet apart in the row. If the poles are slanted slightly to the north, the vines climb better and the pods are more easily seen. In home gardens 3 poles are usually placed wigwam style and tied at the top. Around each pole plant 4 to 6 beans from 1 to 2 inches deep. When ready to run, thin to 4 plants and see that they all climb the same way, as if trained wrong they will not climb. If to be planted in corn, this should be done after the corn is well started and has had 2 or 3 workings. An acre requires about 15 pounds of seed. One pound will plant 100 hills.

## EDIBLE SOY BEANS

**15 BANSEI** (90 days)

Vegetable type soy beans are becoming very popular, and the demand for seed has constantly increased. These beans are not only delicious when eaten green or dry, but they are also an excellent source of vitamin A, B, and G. The Bansei variety is one of the earliest, maturing in about 90 days. It is very productive and will produce in nearly any section of the country. Plants grow 24 inches high and do not require support. Seeds are bright green while young, and yellow when mature.

Pkt., 10c;  $\frac{1}{2}$  lb., 20c; 1 lb., 30c; 5 lbs., \$1.25.

**18 DWARF WHITE KIDNEY.** (100 days.) Large white, kidney-shaped, slightly flattened. Pods about 6 inches long, large and coarse. Beans excellent quality either green or dry.

Pkt., 10c;  $\frac{1}{2}$  lb., 25c; 1 lb., 45c; 5 lbs., \$2.00.

**19 DARK RED KIDNEY.** (95 days.) Similar to above, but dark pink color. Very salable.

Pkt., 10c;  $\frac{1}{2}$  lb., 25c; 1 lb., 45c; 5 lbs., \$2.00.



McCullough's Logan Giant

### 20 McCullough's Early White Half Runner (50 days)

The name of this Bean is strictly in keeping with the nature of the plant. It is exceptionally prolific. Vines are light green, 16 to 20 inches in height and have short runners. Pods light green, about  $5\frac{1}{2}$  inches in length, containing 5 to 8 Beans. Thoroughly stringless when young. Also excellent as a dry shell Bean; flavor equal to or better than Navy Beans.

Pkt., 15c;  $\frac{1}{2}$  lb., 30c; 1 lb., 50c; 5 lbs., \$2.25.

**21 IMPROVED KENTUCKY WONDER.** (67 days.) A well known variety and one of the most popular of all pole beans, especially in the middle sections. The vines are very vigorous, heavy and very prolific, hence not desirable for planting in corn. Pods are of irregular shape, bright green, very long, often reaching 9 to 10 inches. They are very tender, crisp and stringless when young, but become irregular and spongy as the beans ripen.

Pkt., 15c;  $\frac{1}{2}$  lb., 25c; 1 lb., 45c; 5 lbs., \$2.00.

**22 WHITE-SEEDED KENTUCKY WONDER.** (64 days.) Similar to the above, excepting that the beans are different shape and solid white. It is early maturing, very desirable for snap beans and an excellent variety for green shelling and unsurpassed in quality as baked beans. Very profitable for market gardeners and highly praised in all sections.

Pkt., 15c;  $\frac{1}{2}$  lb., 30c; 1 lb., 50c; 5 lbs., \$2.25.

**23 MISSOURI WONDER.** (66 days.) An extremely prolific variety, maturing in the same season or a little later than Improved Kentucky Wonder. A green podded variety of high quality. The pods are nearly as long as those of Improved Kentucky Wonder, but slightly broader and flatter and lighter in color. When in condition for snap beans, the pods are nearly stringless.

Pkt., 15c;  $\frac{1}{2}$  lb., 25c; 1 lb., 45c; 5 lbs., \$2.00.

**24 McCullough's Logan Giant** (63 days.) If you want delicious, tender, fine flavored snap beans be sure to plant some McCullough's Logan Giants. There is no bean of its class that we have grown that is as tender and as fine quality. Many of our customers consider it the best pole bean they have ever grown. The pods, produced in clusters and in great abundance, are light green, 6 to 7 inches long, broad, round and slightly curved.

Pkt., 15c;  $\frac{1}{2}$  lb., 30c; 1 lb., 50c; 5 lbs., \$2.25.

**25 RED SPECKLED CUT SHORT or CORN HILL.** (74 days.)

A very popular variety, especially for planting among corn. It will give a good crop without the use of poles. The vines are not as heavy as Kentucky Wonder, being medium size, vigorous, twining loosely, with dark colored leaves. Pods are 3 to  $3\frac{1}{2}$  inches long, straight, flat, fleshy and of good quality. As they mature the pods become light yellow tinged with red, the beans showing distinctly through the pods.

Pkt., 15c;  $\frac{1}{2}$  lb., 25c; 1 lb., 45c; 5 lbs., \$2.00.

**26 LONDON HORTICULTURAL or SPECKLED CRANBERRY.**

(72 days.) A very popular variety for general purposes, either as a late green shelled bean or for snaps. The pods are of medium length,  $4\frac{1}{2}$  to 5 inches long, broad; when young, pale green, gradually changing to yellowish green striped or splashed with red. Vines are moderately vigorous, with large light colored leaves. Can be grown on corn or short poles. As shelled beans they equal Limas in flavor and are excellent to use as dry beans for boiling or baking.

Pkt., 15c;  $\frac{1}{2}$  lb., 25c; 1 lb., 45c; 5 lbs., \$2.00.

**27 WHITE CREASEBACK.** (65 days.) An extremely early variety, which produces nearly all its pods at the same time. The vines are medium size and vigorous, and in rich soil wonderfully productive, bearing round, fleshy pods in clusters of from 4 to 12, which makes it extremely easy to gather. Pods are about 5 inches long, comparatively straight, attractive, light green, very fleshy, with a crease down the center.

Pkt., 15c;  $\frac{1}{2}$  lb., 25c; 1 lb., 45c; 5 lbs., \$2.00.



## CORNFIELD BEANS—Continued

**28 McCULLOUGH'S STRIPED CORNFIELD.** (71 days.) An extremely prolific green-podded cornfield variety. Strong plants of good climbing habit. Pods straight, round, green at picking stage, and becoming mottled with purple later.  
Pkt., 15c; ½ lb., 30c; 1 lb., 50c; 5 lbs., \$2.25.

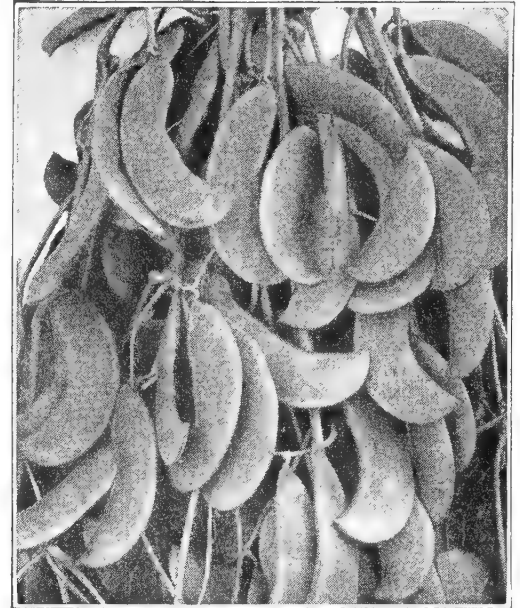
**29 SCOTIA or STRIPED CREASEBACK.** (72 days.) A hardy and very productive green-podded cornfield bean. The vines are sturdy and of good climbing habit with small, medium deep green leaves. The pods are long, about 6 inches, very cylindrical or completely rounded, distinctly creasebacked, very fleshy and of excellent quality. The color, when in condition for use as snaps, is light, silvery green, becoming tinged with purple as the pods mature. Especially suitable for growing in corn for snaps.  
Pkt., 15c; ½ lb., 25c; 1 lb., 45c; 5 lbs., \$2.00.

**30 TENNESSEE WONDER or EGG HARBOR.** (72 days.) Large green pods,

curved, tinged with purple and wrinkled, depressed between each of the 8 or 9 seeds. One of the largest of all cultivated beans.  
Pkt., 15c; ½ lb., 25c; 1 lb., 45c; 5 lbs., \$2.00.

**31 LAZY WIFE.** (74 days.) A somewhat late maturing variety, bearing medium green pods in large clusters. Pods are 5½ to 6½ inches long, broad, thick, fleshy and entirely stringless. When young, they have a rich flavor which is retained until they are nearly ripe. An excellent sort for either snap green, shelling, or using as dry beans.  
Pkt., 15c; ½ lb., 25c; 1 lb., 45c; 5 lbs., \$2.00.

**32 McCASLAN.** (66 days.) The pods, produced in great abundance, are a rich, dark green color, measuring about 10 inches long, rather flat and slightly curved. Fine for use as a snap sort, being entirely stringless when young. If pods are picked before maturing, vines bear till frost. If pods are allowed to mature, they produce a good sized white bean for winter use.  
Pkt., 15c; ½ lb., 25c; 1 lb., 45c; 5 lbs., \$2.00.



Burpee's Improved Bush Lima

### Pole Beans—Wax Pod

**33 OHIO WAX POLE.** (67 days.) Pods usually 7 inches long, solidly meaty and entirely stringless; commences to bear when scarcely higher than bush variety, and keeps on producing until killed by frost.  
Pkt., 15c; ½ lb., 30c; 1 lb., 50c; 5 lbs., \$2.25.

**34 GOLDEN CLUSTER WAX.** (74 days.) One of the best wax podded pole snap Beans. Vines large, vigorous and hardy. Pods 6 to 8 inches long, borne in clusters and vary in color from golden yellow to creamy white.  
Pkt., 15c; ½ lb., 30c; 1 lb., 50c; 5 lbs., \$2.25.

### LIMA BEANS—DWARF or BUSH

**Culture.** All Lima Beans are tender and the ground should be dry and the weather warm and settled before planting. They do best in good light soil, and if not rich, an application of sheep manure or other good fertilizer will be well repaid. Plant in drills, 1½ to 2 feet apart, dropping the beans 4 to 5 inches apart and covering about 2 inches deep. Cultivate often until they commence to flower, but only when the leaves are dry.

A pound of seed will plant about 150 feet of row. About 60 pounds per acre. For succession, make two plantings four weeks apart.

**35 BURPEE'S IMPROVED BUSH LIMA.** (75 days.) Pods and beans are both larger and thicker than Burpee's Bush Lima, and somewhat earlier. Plant is a vigorous grower with heavy foliage. Even when of full size the enormous beans are most luscious.  
Pkt., 15c; ½ lb., 30c; 1 lb., 50c; 5 lbs., \$2.25.

**36 FORDHOOK BUSH LIMA.** (75 days.) A very vigorous and erect growing variety, bearing its pods well above the ground in large clusters. Pods are medium green, about 5 inches long and contain 4 to 5 large, thick Beans of exceptionally fine quality. We consider this one of the best of the large-seeded kinds.  
Pkt., 15c; ½ lb., 30c; 1 lb., 50c; 5 lbs., \$2.25.

**37 FORDHOOK U. S. 242.** (New.) All-America Bronze Medal Winner for 1945. This new heavy-yielding strain is a real improvement over the famous Fordhook Bush Lima. Years of careful breeding by the U. S. Dept. of Agriculture at Beltsville, Md., have produced a strain that will consistently outyield Ford-

hook under average conditions and will produce much better crops in hot dry weather. The plants are somewhat larger and more vigorous, and they produce a better set of pods on the early pickings. The pods are uniform, nearly straight, and well filled with three or four plump thick beans of the finest type. The dry seeds average slightly smaller and the pods are a trifle narrower but otherwise they are identical to the best Fordhook. In addition they hold their fine uniform size and shape throughout the entire season.  
Pkt., 15c; ½ lb., 35c; 1 lb., 60c; 5 lbs., \$2.75.

**38 HENDERSON'S BUSH LIMA.** (65 days.) An exceedingly productive variety of dwarf habit. Commences bearing very early and continues to grow and set pods until stopped by frost. The vines are without runners, somewhat dwarf, very productive. Beans small, white and of most excellent quality either for green shelling or as dry beans.  
Pkt., 15c; ½ lb., 25c; 1 lb., 45c; 5 lbs., \$2.00.

**39 JACKSON WONDER or CALICO BUSH LIMA** (65 days.) Also known as Florida Speckled Bush Butter Bean. This bean originated in the South where many gardeners prefer it to all other kinds, claiming that the flavor is superior, that it is the best bearer of them all, and that in dry seasons it is practically drought proof. About 2 feet high and carry quite a load of pods that contain 3 to 4 beans each. It begins bearing early and continues till killed by frost.  
Pkt., 15c; ½ lb., 25c; 1 lb., 45c; 5 lbs., \$1.75.

### MAMMOTH PODDED POLE LIMA BEANS

Large seeded sorts require 2 pounds to 100 poles, ¾ bushel to an acre. Small Limas require about one-third the quantity.

**Culture.** These are to be treated like other Pole Beans excepting they should be planted one or two weeks later. Where soil is very stiff, it is best to plant the Beans with the eye downward, as they will come up more rapidly.

#### 41 McCullough's Large Pole Lima

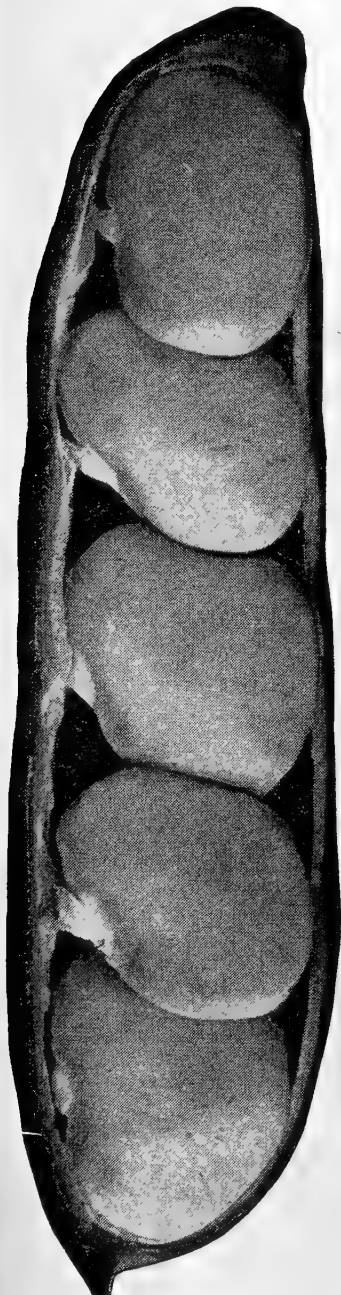
(92 days.) A large seeded potato lima, similar in pod and seed to Fordhook Bush Lima. Plant vigorous, good climber, very productive. Smooth, straight pods. Seed large, almost as wide as long. An abundance of these fine Limas can be grown in a comparatively small space.  
Pkt., 15c; ½ lb., 35c; 1 lb., 60c; 5 lbs., \$2.75.

**42 KING OF THE GARDEN.** (88 days.) A favorite sort on account of its large size and abundant yield. The beans are of greenish color, very tender and delicious.  
Pkt., 15c; ½ lb., 30c; 1 lb., 50c; 5 lbs., \$2.25.

**43 EXTRA LARGE WHITE POLE LIMA.** (88 days.) A choice variety of the Large Lima. Pods and beans of large size; good cropper. Quality unsurpassed.  
Pkt., 15c; ½ lb., 30c; 1 lb., 50c; 5 lbs., \$2.25.

**44 SMALL LIMA or SIEVA.** (77 days.) Also called Butter or Carolina. Not as large as the other varieties but a good bearer and about 10 days earlier.  
Pkt., 15c; ½ lb., 25c; 1 lb., 45c; 5 lbs., \$1.75.

**45 FLORIDA SPECKLED BUTTER BEAN** (Calico Bean), (78 days.) A sure cropper and like the small or Sieva except that they are speckled.  
Pkt., 15c; ½ lb., 25c; 1 lb., 45c; 5 lbs., \$1.75.



McCullough's Large Pole Lima

*Home Grown Vegetables Taste Better*

# TABLE BEETS

Beets fresh from the garden are always more tender and delicious than those that are shipped. They can be sown in succession for different seasons and if too many are produced for table use, make excellent food for poultry and stock.

**Culture.** A deep loamy or sandy soil is best suited to Beets. If wanted very early they can be sown in hotbeds and transplanted in the open ground when the weather has moderated, but the outer leaves should be trimmed off when transplanting is done. The earliest outdoor sowing is done in March or April, in rows 15 to 18 inches apart, thinning or transplanting the plants to 3 or 4 inches apart in the rows. For winter use, sow in June or July. Roots can be stored in pits or cellars, covering with sand to keep from wilting.

One ounce sows 60 feet of drill; six pounds 1 acre.

**46 EARLY WONDER.** (52 days.) This is the best Beet for early use. The highest quality for the home garden.

Pkt., 10c; oz., 25c;  $\frac{1}{4}$  lb., 75c.

**47 CROSBY'S EGYPTIAN.** (55 days.) An improved sort which is very popular with the market gardeners on account of its quick growth, extreme earliness, and general good qualities. The tops are small, roots flattened but slightly globe-shaped and very smooth. Exterior bright red and inside deep vermilion-red zoned with a lighter shade. It becomes fit for use earlier than any other variety and is much superior to some of the older sorts.

Pkt., 10c; oz., 20c;  $\frac{1}{4}$  lb., 60c.

**48 Detroit Dark Red** (58 days.) Produces medium size globe-shaped roots which are very smooth and of bright red color. Very desirable for bunching. Comparison with other varieties proves that **Detroit Dark Red** is the most uniform Beet in size and most attractive in color.

Pkt., 10c; oz., 30c;  $\frac{1}{4}$  lb., 90c.

## 50 Norwood Blood Turnip

(60 days.) A superb early main crop variety, both for market and the home garden. The roots are of turnip shape, bright red, tender, and of excellent flavor.

Pkt., 10c; oz., 30c;  $\frac{1}{4}$  lb., 90c.

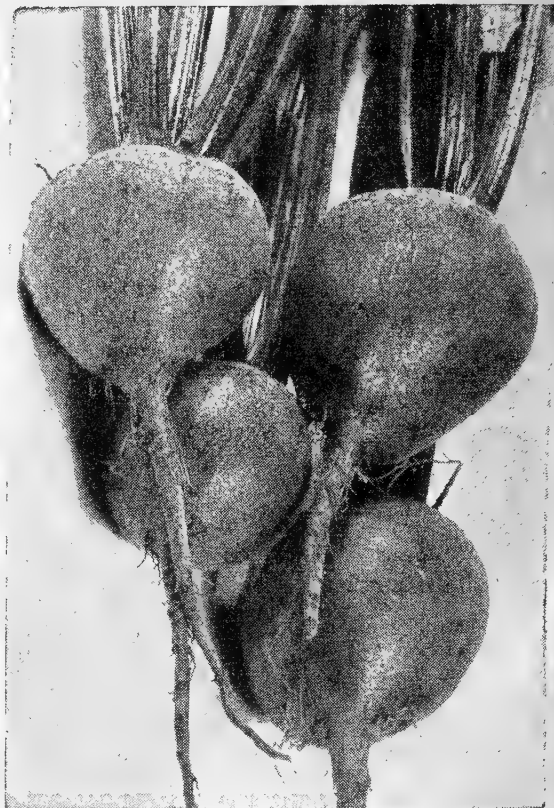
## SWISS CHARD

**55 LUCULLUS.** (55 days.) This variety is grown for its leaves only, which are boiled like spinach. Sown in the spring the leaves are soon ready to eat and will continue to produce all summer and fall. Known also as Spinach Beet.

Pkt., 10c; oz., 20c;  $\frac{1}{4}$  lb., 50c.

**56 RHUBARB CHARD.** (60 days.) A new Swiss Chard that looks like Rhubarb. The leaf stalks are bright but delicate, translucent crimson; the rich color extends out through the veins into the dark green, heavily crumpled leaves. You will enjoy its different, tasty, delicious flavor. Plants are so beautiful they may be used in flower borders. Leaves and stalks are nice in flower arrangements.

Pkt., 15c; oz., 50c;  $\frac{1}{4}$  lb., \$1.50.



Norwood Blood Turnip Beet

**51 EXTRA EARLY EGYPTIAN.** (50 days.)

It is the earliest sort and largely used for forcing. Has very small tops and produces flat, medium size roots which are very dark red, moderately thick and distinctly flat on the bottom. Flesh is dark purplish red, firm, crisp and tender.

Pkt., 10c; oz., 30c;  $\frac{1}{4}$  lb., 90c.

**53 EARLY BLOOD TURNIP.** (60 days.) A selected stock of this old and very popular variety. It is of deep red color, zoned with lighter shade; roots round, slightly flattened and excellent for summer and autumn use.

Pkt., 10c; oz., 25c;  $\frac{1}{4}$  lb., 75c.

## PLANT A GARDEN

Food—Health—Thrift

# Stock Beets or Mangels

Too little attention is paid to this important crop for winter feed for stock. They yield enormously, sometimes making 15 tons to the acre; are very nutritious, not only improving the general condition of stock, but greatly increase both the quantity and quality of milk in cows. A variety of feed is always beneficial to all animals and the Mangel-Wurzel and Sugar Beets afford one of the best crops for this purpose, as they are superior in feeding qualities to turnips and are a much larger yielding crop. All farmers and especially stock raisers should grow them extensively.

**Culture.** Sow in the latter part of April, May or June, at the rate of 5 pounds to the acre, in rows  $2\frac{1}{2}$  to 3 feet apart and thin to 8 inches apart. If seed is soaked 24 hours before sowing, it germinates more quickly but it should be put in when the ground is moist. The crop is harvested before frost and packed away in barns or cellars. They can also be put into piles or ridges 5 to 6 feet high and covered with straw or litter to keep from freezing too much. When the winter weather comes, throw on a layer of 4 to 6 inches of earth. A protection of boards to shed the heavy rains is also desirable.

**57 MAMMOTH LONG RED MANGEL.** (110 days.) Particularly suited to deep soils but succeeds on any medium or heavy soil. The roots are very large, uniform, and are enormously productive. Flesh is white, tinged with red. One of the best for general purposes.

Pkt., 10c; oz., 20c;  $\frac{1}{4}$  lb., 60c;  $\frac{1}{2}$  lb., \$1.00.

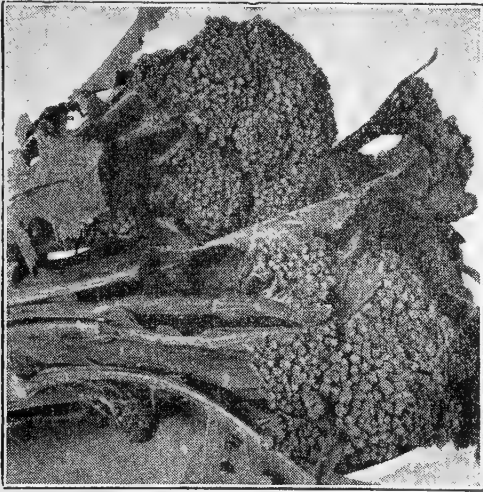
**58 GOLDEN TANKARD MANGEL.** (95 days.) A variety which produces very large roots, oval shaped, the bottom being larger than the top. It is light grey above the ground; deep orange-yellow below, flesh yellow zoned with white. A splendid sort for shallow soil and produces enormously in rich ground.

Pkt., 10c; oz., 20c;  $\frac{1}{4}$  lb., 60c;  $\frac{1}{2}$  lb., \$1.00.



Mangels





Green Sprouting Broccoli

## Yellows-Resistant Cabbage Seed

Varieties listed below are the result of special breeding against Yellows or Wilt Disease, an infection frequently attributed to hot or dry weather. Our stock seed is selected rigidly and continuously for type and resistance. We offer only first generation seed from such stock.

**62 WISCONSIN ALL SEASONS.** (90 days.) Recommended for "yellows" sick soil where the flatter type of domestic cabbage is wanted for kraut, etc. A uniform stock producing large crops and very highly resistant. Pkt., 15c; ½ oz., 35c; oz., 60c.

**63 WISCONSIN GOLDEN ACRE Yellows Resistant.** (64 days.) True to type and earliness and in addition will produce good crops on "yellows" sick soil where regular Golden Acre cannot do well. Pkt., 15c; ½ oz., 40c; oz., 70c.

**64 MARION MARKET.** (75 days.) Highly resistant to yellows; round head, short stem, will permit close planting. Earliest of all yellows-resistant varieties selected from Copenhagen Market. Pkt., 15c; ½ oz., 30c; oz., 50c.

**65 WISCONSIN HOLLANDER.** (100 days.) This is a strain of Hollander or Danish Ballhead. A heavy yielding, round head, deep green, with a purple or bluish tint on the edges. Pkt., 15c; ½ oz., 35c; oz., 65c.

## Early Varieties

**66 GOLDEN ACRE.** (64 days.) This is an early, round-headed Cabbage which closely resembles Copenhagen Market in type. As its name implies, it is a money-maker. It is earlier than Copenhagen Market but is smaller and can be planted closer. Because of its earliness and fine quality, it commands a higher price than any round-headed Cabbage. Pkt., 10c; ½ oz., 30c; oz., 50c.

**67 EARLY JERSEY WAKEFIELD.** (66 days.) One of the earliest and by far the surest heading of first early Cabbages. Most gardeners depend upon it entirely for their extra early crop. It is exceedingly hardy, resists cold and unfavorable conditions and is the most likely to yield satisfactory results. Plants are compact, with erect conical heads and few outer leaves. Stems short; heads of medium size, very solid and of excellent quality. Pkt., 10c; ½ oz., 30c; oz., 50c.

**69 COPENHAGEN MARKET.** (68 days.) The heads are exceptionally large and it has a very short stem and few outer leaves—a most excellent sort for home gardens and market gardeners. On account of extreme earliness, it is destined to become one of the leading sorts grown, as a flat Cabbage fills barrels or crates faster than sharp head Cabbage and will yield the grower more returns. Pkt., 10c; ½ oz., 30c; oz., 50c.

## Broccoli

**60 GREEN SPROUTING.** (60 days.) The truest heading strain. A packet will produce about 200 plants; an ounce about 2000. Broccoli is grown the same as cabbage or cauliflower. Simply sow the seed in the open ground in May and transplant the plants when large enough. Plant forms a large, solid head which remains green. When the central head is cut, numerous sprouts develop from the leaf axils, each sprout terminating in small, green heads. A popular delicacy for the entire family. Pkt., 15c; ½ oz., 35c; oz., 60c.

## Brussels Sprouts

One ounce makes about 2000 plants.

A vegetable of the cabbage family which is largely used in the fall. It should be more largely grown in home gardens. It produces stalks about 2 feet high, which are covered with small heads resembling miniature cabbage. These are cooked and served like cabbage and are very tender and delicious.

**Culture.** Same as for late cabbage, but plants are set closer together.

**61 LONG ISLAND IMPROVED.** (90 days.) A semi-dwarf variety and one of the best. Pkt., 15c; ½ oz., 50c; oz., 85c.

## CABBAGE CHOICE SELECTED STOCKS

**Culture.** For earliest plants the seed is sown in hotbeds from January to March. To make the best plants, sow early and transplant to cold frames. Then at the end of March or the first of April transplant to the garden.

One ounce makes about 2000 plants.

Four ounces make plants enough for one acre.

The number of days indicated give relative period from maturity from setting of plants.

## Medium Early Varieties

**72 ALL SEASONS.** (90 days.) One of the largest and a thoroughly satisfactory second early sort. Plants are vigorous, sure heading; leaves large and smooth. This is a first-class sort both for early and late planting and is especially adapted for kraut. It is well adapted to stand the hot sun and adverse conditions. Pkt., 10c; ½ oz., 30c; oz., 50c.

**73 EARLY DWARF FLAT DUTCH.** (84 days.) A variety which has long been popular among growers, both for home use and markets. The heads are borne on short stems and are very large, solid, and nearly flat on top. Practically every plant will form a good, solid head which will mature earlier than Late Flat Dutch. Pkt., 10c; ½ oz., 30c; oz., 50c.

## Main Crop Varieties

**77 PREMIUM LATE FLAT DUTCH.** (105 days.) A very superior strain of this well-known, popular Cabbage which is exceptionally reliable for main crop planting. It is short stemmed; has rather large, early leaves, and produces uniformly large, flat, deep, solid heads of splendid quality. It is an excellent keeper and can be relied upon as thoroughly satisfactory. Pkt., 10c; ½ oz., 30c; oz., 50c.

**79 DANISH BALLHEAD.** (95 days.) It produces very large, solid heads, which are globular in shape, has few but rather large, thick, bluish green leaves. Heads are borne on short stems, are of medium size, round, very solid, and stand shipment better than any other late sort. One of the very best keepers and much desired for kraut. Pkt., 15c; ½ oz., 35c; oz., 60c.

**81 PERFECTION DRUMHEAD SAVOY.** (90 days.) Too little attention is paid to the Savoy Cabbages. It is used almost entirely for late planting and attains its greatest perfection in flavor after frost, when it becomes as tender and even more delicious than cauliflower. The heads are of medium size, borne on short stems, and not as large as the ordinary late Cabbage, hence will stand closer planting. Our stock of this is American grown and will produce uniformly large heads for this variety. We strongly recommend it to be more extensively grown both for home use and market. Pkt., 10c; ½ oz., 30c; oz., 50c.

## Red Cabbage

**82 MAMMOTH RED ROCK.** (90 days.) A variety used mainly for pickles and sauerkraut. It is highly esteemed. Pkt., 15c; ½ oz., 35c; oz., 60c.

## Chinese Cabbage

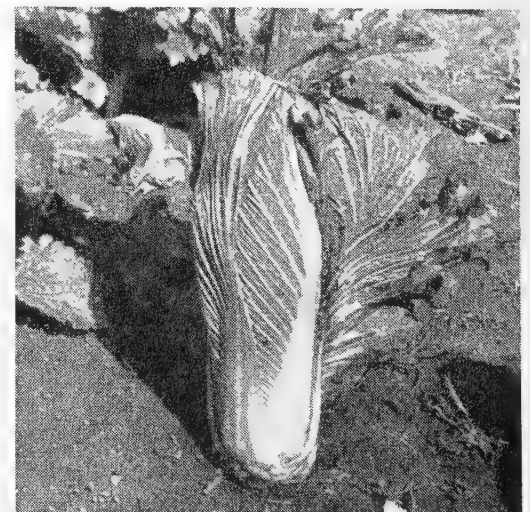
Also called "Celery Cabbage."

An ounce of seed will sow 40 to 50 feet of row.

This vegetable of the cabbage family has become extremely popular. The large mid-ribs of the leaves are perfectly white and very crisp and tender. It is excellent when used as a salad, being of a very delicate flavor slightly resembling raw cabbage but more delicious. It is so easily raised that everyone who has a garden should enjoy it.

The seed should be sown not earlier than the first of July in rows 2½ feet apart, and the plants thinned 18 to 20 inches apart in the rows. If sown early it soon runs to seed and is useless.

**83 CHIHILI.** (70 days.) This is the earliest variety of Chinese Cabbage and heads more evenly than any other kind. The heads are pointed, very firm, and when matured are often 18 inches long, blanched pure white inside and are of very fine quality. Chihili is rapidly superseding the older varieties, as the attractive heads sell readily, making this a very profitable crop to grow. Our strain of Chihili is very uniform. Pkt., 10c; ½ oz., 25c; oz., 45c.



Chihili Chinese Cabbage  
Grown by Fred Meyer—Madisonville,  
Cincinnati, Ohio

## FOR NEW VEGETABLES

See Page 4.

GARDEN BULBS IN COLOR—275 Color Pictures. By McFarland.

Price: \$2.49, Postpaid.

# THE BEST TABLE CARROTS

Carrots have become a very popular vegetable from the consumer's standpoint, since nutrition specialists have pointed out their value in the human diet. They add flavor to soups and meats, besides being healthful, delicious and to an extent ornamental, and should be more largely used. In addition to their table uses, they are a nutritious food for all kinds of stock and poultry.

**Culture.** Carrots do best in rich, light loamy soil, and where the soil is shallow or stiff, select the short growing varieties, rather than the longest rooted sorts. For early crop sow in March; for main crop in April or May, in rows 18 inches apart, cultivating and weeding as soon as the plants are up. Continue in cultivation until maturity. Cover the seed half an inch deep and see that the soil is pressed firmly, thin to 4 to 6 inches apart. One ounce sows 300 feet of row; 2 lbs. per acre.

## 87 NANTES IMPROVED CORELESS. (68 days.)

Because of its fine quality, this variety is one of the best for the home garden as well as for market. Roots 6 to 7 inches long, same the whole length, with a smooth waxy appearance that makes them very attractive. Sweet and tender which makes it a favorite for eating raw as well as cooked.

Pkt., 10c; ½ oz., 25c; oz., 40c; ¼ lb., \$1.25.

**88 OXHEART (Or Guerande).** (74 days.) A short, thick growing variety, especially adapted to stiff or hard soils. Roots 4½ to 5 inches long, very thick, ending abruptly in a small tapering root. Flesh bright orange, finest quality, an excellent sort for market or home use and fine for stock feeding and poultry.

Pkt., 10c; ½ oz., 20c; oz., 35c; ¼ lb., \$1.00.

**89 IMPERATOR.** (77 days.) Award of Merit, All-America Selections, 1933. Fine variety for home use. Sloping shoulders and semi-blunt end; 7 to 8 inches long; rich orange color with indistinct core.

Pkt., 10c; ½ oz., 25c; oz., 40c; ¼ lb., \$1.25.

**90 DANVERS HALF LONG.** (75 days.) A deep orange, tender variety, producing roots of medium length, 6 to 8 inches long, tapering uniformly to a blunt point. They are very productive and well adapted to nearly all classes of soil for main crop.

Pkt., 10c; ½ oz., 20c; oz., 35c; ¼ lb., \$1.00.

**91 CHANTENAY.** (70 days.) A medium early variety, orange-red color, crisp and tender. Roots smooth, thick, 5½ to 6 inches long, uniformly stump-rooted but tapering slightly. One of the best in quality and productiveness for either home garden or market and especially desirable for heavy soils, because it can be harvested easily.

Pkt., 10c; ½ oz., 20c; oz., 35c; ¼ lb., \$1.00.

**92 IMPROVED LONG ORANGE.** (85 days.) A well known popular sort, well adapted for loamy or deep soil, on which are produced very large crops. Roots deep orange color, usually about 12 inches long, 3 inches in diameter at the crown, tapering to a point. An excellent sort for table use, markets and particularly adapted for stock feeding. Roots tender and of good quality.

Pkt., 10c; ½ oz., 20c; oz., 35c; ¼ lb., \$1.00.

## CELERY

**Culture.** For the earliest crop the seed should be sown in hotbeds from the middle of February to the end of March. For main crop sow in open ground March or April, according to the weather, in rows 15 inches apart. The seed is sometimes slow to germinate, and in dry and hot weather water well. Careful weeding by hand will have to be done until the young plants get started. Seed sown in beds should be transplanted. When the plants are set in the open field, trim the tops off and put in rows about 5 feet apart, setting plants 6 to 8 inches apart. Cultivate constantly during the growing season, and as the crop matures it must be earthed up or blanched. Sometimes this is done by placing two boards upright, close to the plants and filling in dirt both on the sides and between the plants. The stalks are handled by hand but the soil must not be allowed to get in the center. An ounce of seed produces about 3000 plants.

**95 WHITE PLUME.** (112 days.) An extra early and very handsome sort which is popular with market gardeners, especially for early crop. Leaves are light, bright green at the base, shading nearly white at the tip. As plants mature, the inner stem and leaves turn white and consequently require less earthing and blanching before they are in condition to use for market.

Pkt., 10c; ½ oz., 35c; oz., 60c.

## CELTUCE

**100.** Easy to grow. Plants grow quickly, forming a rosette of light green leaves which may be eaten as a salad, or cooked as "greens." In less than 90 days after seed is sown, the central stem or stalk is usable and will be found most tender at this age. The stalks are solid throughout, the stem greenish white and tough, but the inside is very succulent, most delicate pale green, crisp and brittle. The stalk may be eaten raw or cooked. In either case, the outer skin is removed, and only the tender, light green heart is eaten. As a raw vegetable, the centers of the stalks are cut into four- or five-inch lengths and split lengthwise, chilled and eaten as you would celery or carrots with salt. Cooked CELTUCE stalks are pale green, attractive, and have a pleasing, mild flavor, suggestive of celery or lettuce. It can be cooked in many ways such as celery au gratin; steamed like asparagus and served with a favorite sauce; or plain boiled and served hot with butter and lemon sauce.

Make first sowing of seed as soon as ground can be worked in the spring. Succession sowings at intervals of a week or ten days until July first, will give a continuous supply. Seed may also be started indoors four to five weeks before outdoor planting time and the seedlings set in the open as early as the ground can be worked.

Grow CELTUCE—it is good, it is interesting, and it is healthful.

Pkt., 10c.

## CAULIFLOWER

**Culture.** For early spring or summer crop sow the seed in January or February indoors or under glass. When the plants have four leaves, transplant to cold frames for development. Toward the end of March or early part of April, set in open field and cultivate the same as cabbage. For fall use sow at the same time as late cabbage and treat in the same manner. Cauliflower will not head in very hot weather—hence for fall use, too early sowing is not desirable.

One-fourth ounce produces about 500 plants. One ounce will make enough plants to set 1 acre.

Cauliflower plants supplied in season. We do not send these plants by mail.

**94 EARLY SNOWBALL.** (54 days.) Unquestionably the earliest maturing strain of short leaf type of Cauliflower. It is well adapted for forcing or winter use for early crop and is one of the most popular of all sorts, both for the market gardener and for home use. The plants are compact, leaves small, and can be adapted for close planting. Large size, pure white flowers, of most excellent quality.

Pkt., 25c; ¼ oz., \$1.00.



Imperator  
Carrots

**97 GOLDEN SELF BLANCHING.** (118 days.) This is not only a very early variety but one of the best for home use or market. It is not quite so early as White Plume but so much finer quality that it is generally preferred as a main crop sort. Plants are medium size, compact and stocky, with yellowish green foliage. As they mature, the inner stem turns a beautiful golden yellow color and blanching is easily accomplished. Being of handsome color, very crisp, tender, free from stringiness and of fine flavor, it is the leading sort grown.

Pkt., 15c; ½ oz., 50c; oz., 95c.

**98 GIANT PASCAL.** (140 days.) A green leaf variety of the Golden Self Blanching type, and one of the best for fall and early winter use. It blanches a beautiful yellowish white, is very solid and crisp and has a fine nutty flavor. Stalks of medium height, thick, solid, flattening towards the base and one of the best for main or late planting.

Pkt., 10c; ½ oz., 35c; oz., 60c.

**99 CELERIAC or TURNIP-ROOTED CELERY.** (110 days.) Used for its roots only, which have a fine, sweet, nutty celery taste. It is used either boiled or raw, has a delightful flavor and can be used in soups, salads or as a table vegetable. Culture about the same as for celery.

Pkt., 10c; ½ oz., 35c; oz., 60c.

Celery Plants supplied in season (June, July and August). We do not send these plants by mail.

## COLLARDS

Although often sown during the spring and summer, the principal sowings are made in June, July and August, transplanted 2 feet apart in the row and given frequent cultivation. A most excellent vegetable for the late fall, winter and early spring. The flavor is improved by frost. Cultivate like late cabbage.

**101 GEORGIA or SOUTHERN.** 75 days.) Stands cold weather and adverse conditions splendidly and grows on land too poor to make a crop of cabbage.

Pkt., 10c; oz., 15c; ¼ lb., 45c.

ANNUALS FOR YOUR GARDEN—Illustrated In Color.

By Daniel J. Foley. Price: \$1.00, Postpaid.



# SWEET CORN

Our Northern Grown Sweet Corn is far superior in quality and earliness to the same varieties raised from seed grown in the South and West, where most of the Sweet Corn seed is grown.

One pound plants about 200 hills, 12 to 14 pounds to an acre. For succession, plant about every 2 weeks from April to the end of July; ready for the table 60 to 90 days from planting.

**Culture.** Garden-Field varieties can be planted at the end of March or early in April. Sugar or Sweet Corns are more tender and should not be planted until warm weather is settled and the ground becomes warm. Cultivate frequently and keep the ground free of weeds.

## Hybrid Types

**102 SPANCROSS (C13-4).** (73 days.) All-America Selection Honorable Mention, 1941. One of the earliest. Ears about 6½ inches long. 10-12 rows of cream-yellow kernels. Stalks about 5 feet tall. Highly resistant to bacterial wilt.

Pkt., 15c; ½ lb., 40c; 1 lb., 70c; 5 lbs., \$3.00.

**103 MARCROSS (C13-6).** (76 days.) Developed by the Connecticut Experiment Station. Stalks short but sturdy. Highly resistant to bacterial wilt. Ears very attractive, about 7 inches in length with 10 to 14 rows of light cream-yellow kernels of fine quality.

Pkt., 15c; ½ lb., 40c; 1 lb., 70c; 5 lbs., \$3.00.

**105 GOLDEN CROSS BANTAM.** (85 days.) At present, this is the leading hybrid sweet corn. Highly resistant to bacterial wilt, uniform in growth, maturity, and heavy yield. Stalks about 7 feet high, ears about 8 inches in length, 10 to 14 rows, kernels rich yellow.

Pkt., 15c; ½ lb., 40c; 1 lb., 70c; 5 lbs., \$3.00.

**106 LINCOLN HYBRID.** See page 4.

**107 STOWELL'S EVERGREEN HYBRIDS.** See page 4.

## Open Pollinated Yellow

**109 GOLDEN BANTAM.** (70 days.) Selected Northern Grown. The most popular variety of yellow sweet corn ever offered; also one of the earliest and hardiest. It can be safely planted earlier than other varieties. The plants rarely grow over 3½ feet in height, and usually bear at least 2 ears, 5 or 6 inches long, on each stalk. Many people assert that Golden Bantam is the sweetest of all corns; its plump, rich, cream-yellow kernels are tender, milky, and delicious. All our Golden Bantam seed is northern grown.

Pkt., 15c; ½ lb., 25c; 1 lb., 40c; 5 lbs., \$1.75.

**110 WONDER BANTAM.** (72 days.) There has been an ever-increasing demand for an early sweet corn having all of the good qualities of Golden Bantam Sweet Corn, together with a larger ear and having about the same maturing season. To accomplish this, Wonder Bantam has been introduced by the crossing of Early Wonder and Golden Bantam Sweet Corn. The stalks grow from 5 to 6 feet in height and have ears 8 to 10 inches in length with 8 rows of rich, golden colored kernels.

Pkt., 15c; ½ lb., 25c; 1 lb., 40c; 5 lbs., \$1.75.

**111 GOLDEN SUNSHINE.** (68 days.) The earliest of the Golden Bantam type. More dwarf in habit than Bantam, with ears 6½ inches long, containing 12 rows of broad, yellow, sweet grains. Desirable for its extreme earliness.

Pkt., 15c; ½ lb., 25c; 1 lb., 45c; 5 lbs., \$2.00.

**112 GOLDEN GIANT.** (87 days.) It excels all other early varieties of corn in size, productiveness and quality; and all the late varieties in quality and early maturity while equalling them in size.

Pkt., 15c; ½ lb., 25c; 1 lb., 40c; 5 lbs., \$1.75.

**113 BANTAM or GOLDEN EVERGREEN.** (87 days.) A cross between Golden Bantam and Stowell's Evergreen and is a most excellent sort of fine quality. The ears average 8 inches long and are 12-rowed, the grain is rather broad and deep, and of a rich golden yellow.

Pkt., 15c; ½ lb., 25c; 1 lb., 40c; 5 lbs., \$1.75.

## Open Pollinated White

**115 WHIPPLE'S EARLY WHITE.** (85 days.) Of the narrow-grained Evergreen type, but ready for use much earlier. Ears 8 to 9 inches long, 16 to 18 rows of pearly white grains. This variety is by far the earliest of the narrow-grained Evergreen types and has a larger sugar content.

Pkt., 15c; ½ lb., 25c; 1 lb., 40c; 5 lbs., \$1.75.

**116 EARLY EVERGREEN.** (85 days.) An early strain of Evergreen of great value. This variety resembles Stowell's Evergreen, but is ready for use earlier and remains in good condition equally as long. Ears grow to a good size, usually about 7 inches long, and contain from 16 to 18 rows of deep sweet grains.

Pkt., 15c; ½ lb., 25c; 1 lb., 45c; 5 lbs., \$2.00.

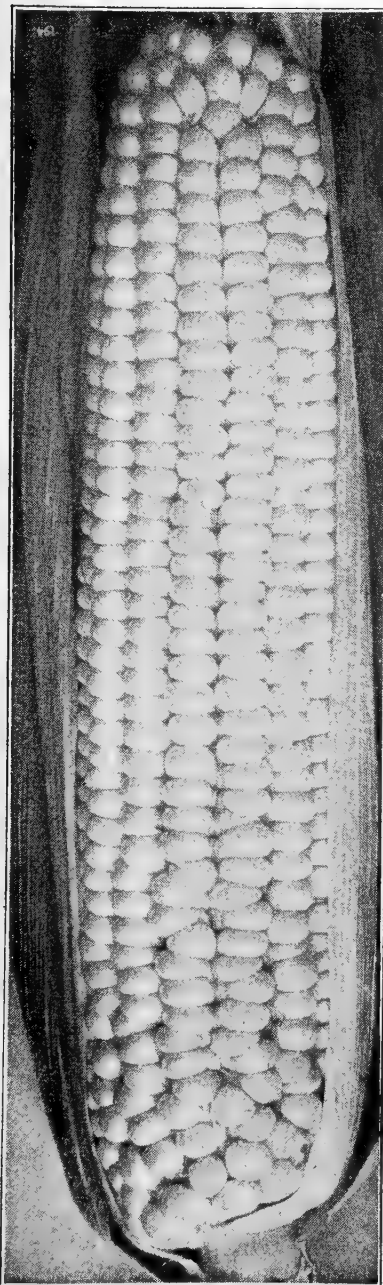
**118 COUNTRY GENTLEMAN.** (90 days.) Probably the most popular of all sorts for home gardens on account of its sweetness, tenderness and delicious flavor. Ears 7 to 8 inches long, round, medium size. Grains zig-zag or staggered, small in size but set close on the cob and very deep.

Pkt., 15c; ½ lb., 25c; 1 lb., 45c; 5 lbs., \$2.00.

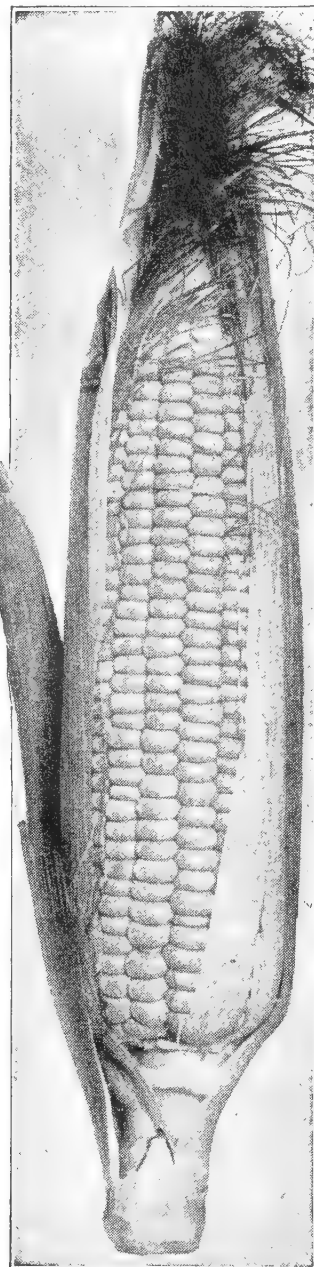
**117 HOWLING MOB.** (80 days.) A popular, productive, large-eared variety; valuable for home and truck gardeners. Ears measure 7 to 9 inches in length, 12 to 16 rows; white grains. Stalks strong, of vigorous growth, 5 to 6 feet in height, have abundant foliage and usually produce 2 good ears to the stalk.

Pkt., 15c; ½ lb., 25c; 1 lb., 40c; 5 lbs., \$1.75.

## WHAT IS HOME WITHOUT A GARDEN?



Early Evergreen



Golden Cross Bantam

## Plant Plenty of Vegetables to Eat from Your Garden and to Can

### TREAT YOUR SEED CORN!

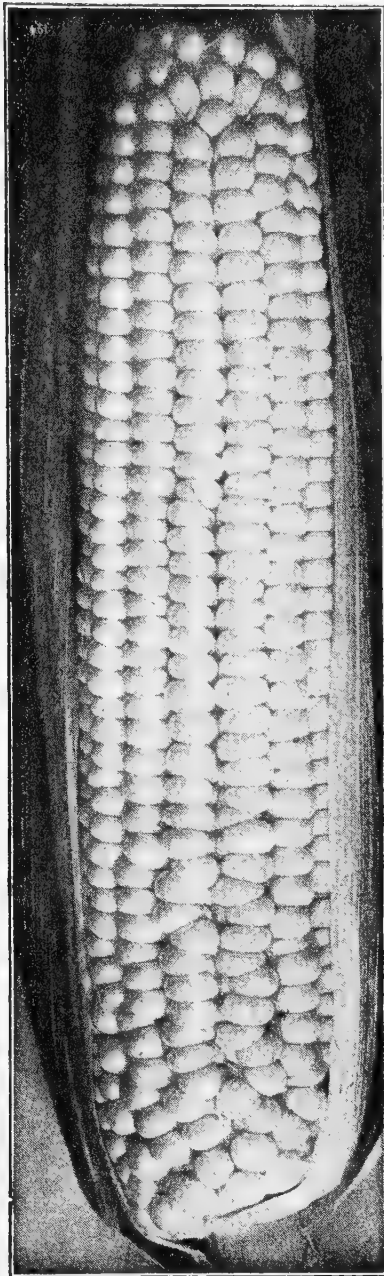
Many growers are getting better stands and therefore, better crops by treating their seed with SEMESAN Jr. Protects seed from rotting in the ground and will help prevent damage by diseases to roots, stalks, and ears. The cost is so low that no one can afford not to take advantage of this crop insurance.

1½ ounces will treat 1 bushel of shelled corn.

1½ ozs., 15c; 12 ozs., 56c.



## OPEN POLLINATED SWEET CORN - Continued



Stowell's Evergreen

**119 STOWELL'S EVERGREEN.** (90 days.)

One of the standard main crop sorts which has long been popular with commercial growers and canners, and is one of the best for home gardens. It is hardy, thrifty, productive, very tender and sugary, and remains in edible condition longer than most other sorts. Ears 8 to 9 inches long, having 16 to 18 rows of very deep grains. Stalks sturdy and erect.

Pkt., 15c; ½ lb., 25c; 1 lb., 40c; 5 lbs., \$1.75.

**122 Club Zig-Zag Evergreen**

(90 days.) A late variety of Zig-Zag Evergreen Corn, the ears are generally twice the size in diameter of any other sort and of a fine, sweet flavor.

Pkt., 15c; ½ lb., 25c; 1 lb., 45c; 5 lbs., \$2.00.

**123 BLACK MEXICAN.** (83 days.) For home use we consider this one of the best second early sorts where tenderness and sweetness are the qualities most desired. The stalks grow about 6½ feet high, producing ears usually 8 inches long and 8-rowed. The dry grain is dark bluish black. The ripe Corn on the cob is also bluish black, but if used young, this Corn cooks remarkably white. This is an interesting variety.

Pkt., 15c; ½ lb., 25c; 1 lb., 45c; 5 lbs., \$2.00.

**124 AUNT MARY CORN.** See page 4.

Pkt., 15c; ½ lb., 25c; 1 lb., 45c; 5 lbs., \$2.00.

**Early Dent Garden Corn**

These are not Sugar Corns but valuable for their hardiness as they can be planted earlier and will mature quicker than Sugar Corns—hence, usually very profitable for market gardeners.

**126 EXTRA EARLY ADAMS.** (70 days.) The earliest variety and extensively used for first early table corn in the South. Stalks about 4 feet high with few leaves and without suckers. Ears short, very full, 12 to 14 rows, kernels white and smooth; an extremely hardy sort; can be planted close together and is usually popular.

Pkt., 10c; ½ lb., 20c; 1 lb., 30c; 5 lbs., \$1.25.

**127 EARLY ADAMS.** (73 days.) A little larger and later sort of about the same characteristics as Extra Early Adams. Stalks about 6 feet high, ears 12 to 14 rows and a good variety for second or very late planting.

Pkt., 10c; ½ lb., 20c; 1 lb., 30c; 5 lbs., \$1.25.

**128 TRUCKER'S FAVORITE.** (78 days.) A late variety of the Adams type; ears 9 to 10 inches long, 14- to 16-rowed. Has dual value in producing good crop of feed corn if roasting ear market is unfavorable.

Pkt., 10c; ½ lb., 20c; 1 lb., 30c; 5 lbs., \$1.25.

**POP CORN**

A very profitable crop in many sections and grown in enormous quantities. It is popularly "the boys' crop" and all gardens should have a small quantity.

**129 WHITE RICE.** (90 days.)

Pkt., 10c; ½ lb., 25c; 1 lb., 45c; 5 lbs., \$2.00.

**130 JAP. HULLESS.** (85 days.)

Pkt., 10c; ½ lb., 25c; 1 lb., 45c; 5 lbs., \$2.00.

**131 SOUTH AMERICAN LARGE YELLOW.** (100 days.)

Pkt., 10c; ½ lb., 25c; 1 lb., 45c; 5 lbs., \$2.00.

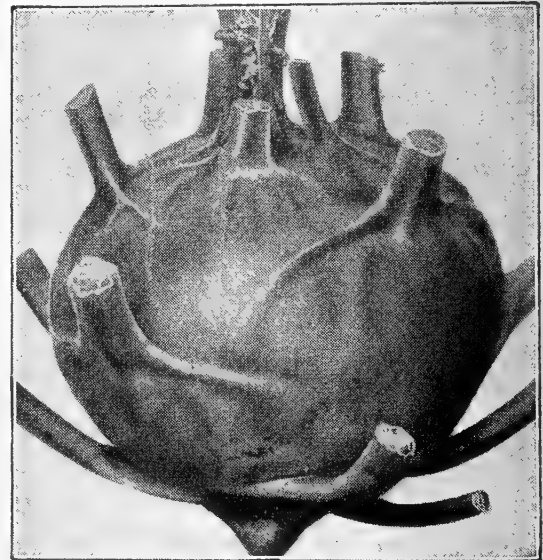
**CORN SALAD**

(Lamb's Lettuce)

An excellent salad for winter and spring. The seed is sown in August or September, in drills 1 foot apart. Press on the soil to make it firm and seed will germinate better. As freezing weather approaches, cover with straw or coarse litter. Seed can also be sown very early in the spring if on rich soil.

**132 LARGE SEEDED.** (45 days.) Round leaved, the best variety.

Crop Failure.



Kohl Rabi

**DILL** (70 days)

One ounce will sow 50 ft. of row.

**147.** Dill is an annual herb used for seasoning pickles, sauces, soups, etc. It is so easily grown that every garden should have a short row of this valuable herb.

Pkt., 10c; oz., 25c; ¼ lb., 75c.

(For other Herbs see page 3.)

**KOHL RABI**

A vegetable intermediate between a cabbage and a turnip which combines the flavor of both. It forms a turnip-shaped bulb above ground which is boiled and served like turnips. If used when young, is tender and a very desirable vegetable.

**Culture.** For early use sow in hotbeds and transplant. Out-of-doors sow in open ground the first part of April in rows 18 inches apart; thin out or transplant to 6 inches apart in the row. Cultivate same as cabbage. It can also be sown the latter part of June or in July for fall use. One ounce will sow 300 feet of drill.

**168 EARLY PURPLE VIENNA.** (60 days.)

Very early with small tops, bulbs good size. A variety of good quality.

Pkt., 15c; ½ oz., 35c; oz., 60c.

**169 EARLY WHITE VIENNA.** (55 days.) An excellent sort for general use, has white tender flesh of pleasant flavor.

Pkt., 15c; ½ oz., 35c; oz., 60c.

**EGGPLANT**

Seed germinates slowly and should be started in hotbed.

One ounce produces 1000 plants; four ounces will produce enough to set out one acre.

**Culture**—Sow in February or March in warm hotbeds. When plants have two rough leaves, transplant to 3 or 4 inches apart or into small pots; after all danger of frost is past, about the middle or end of May, transplant to the garden, setting plants about three feet apart each way. Shade young plants from hot sun.

**148 BLACK BEAUTY.** (80 days.) Fruits slightly longer and darker than any other variety, being rich dark purple, large and symmetrical. It is very desirable for market as it holds its color a long time. It is entirely free from spines; splendid for early crop or very late planting.

Pkt., 15c; ½ oz., 40c; oz., 75c.

Plants—Ready in May. We do not send these plants by mail.

**FEED THE WILD BIRDS**

They Will Help You Fight Insects  
In Your Garden

**GLADIOLUS**—In Complete Detail.  
By Rockwell. Price: \$1.25, Postpaid.



Black Beauty Eggplant

WHEN ORDERING, SEE PAGE 64 OF THIS CATALOG



## For Pickling

## CUCUMBERS

## For Slicing

One ounce plants 50 hills; two pounds to one acre. Plant in April or May for early crop. Ready for the table 50 to 75 days from planting.

**Culture.** Rich soil or one containing plenty of well-rotted manure is best; hence hills are usually made about 4 feet apart using manure or sheep manure well mixed with the soil. For earliest crop outdoors, plant 8 to 10 seeds in hills or drills 4 feet apart. After danger of frost and destruction by insects, thin the plants to about four to the hill. For late crop plant from the end of May until July. Cultivate occasionally, keeping the grass and weeds out, and when the fruit is ready for use, pick whether wanted or not, as it will extend the life and productiveness of the vines.

**133 A. & C. CUCUMBER.** (67 days.) This beautiful cucumber is very popular wherever grown, because of the large yield of fine fruits. About 10 inches in length, well rounded at ends and very dark green.

Pkt., 10c; oz., 40c; ¼ lb., \$1.20.

**134 STRAIGHT EIGHT.** (65 days.) 1935 All-America Gold Medal Award. One of the finest cucumbers which has been offered in many years. As its name indicates, it grows very straight; a long, slender fruit with a slight taper at each end. At the edible stage, the length averages about 8 inches and the color is a rich dark green. This is a very attractive cucumber and the fine quality makes it an excellent sort for slicing.

Pkt., 10c; oz., 40c; ¼ lb., \$1.20.

**135 LONGFELLOW.** (72 days.) A White Spine type, developed so that it would have the slender, dark green appearance of a hothouse cucumber, but which could still be grown outdoors. Vines are vigorous and productive. Fruits 12 to 14 inches long and 2½ inches in diameter. Can be grown in the garden or greenhouse; stands shipping well.

Pkt., 10c; oz., 40c; ¼ lb., \$1.20.

**136 EARLY WHITE SPINE.** (60 days.) One of the best sorts for table use and probably the most popular sort grown by market gardeners and truckers. The vines are vigorous, producing fruit early and abundantly. Fruits are uniformly straight, about 8 inches long, vivid green coloring changing to and streaked a whitish green at the tip.

Pkt., 10c; oz., 40c; ¼ lb., \$1.20.

**137 IMPROVED LONG GREEN.** (68 days.) One of the most popular sorts for home gardens and in country districts for home markets. Fruits are very long, often 12 inches, slender and uniformly dark green color. It is rather late maturing. The vines are very vigorous and fairly productive. The matured fruits are excellent and tender for table use and both large and small can be used for pickling.

Pkt., 10c; oz., 40c; ¼ lb., \$1.20.

**138 DAVIS PERFECT.** (67 days.) A development by crossing the Improved Long Green with an English frame variety. It is dark, rich green color, slightly tipped with white at the end; has very few seeds and is excellent for slicing. Fruits are often 12 inches long, very slim and showy. Particularly fine for home gardens.

Pkt., 10c; oz., 40c; ¼ lb., \$1.20.

**139 EARLY FRAME.** (56 days.) A well known, short, green variety, producing abundantly, straight, moderate sized fruit. Fine for very early planting or pickling, more prolific than the large-fruited sorts.

Pkt., 10c; oz., 35c; ¼ lb., \$1.00.

**140 Early Fortune** (60 days.) The finest type of White Spine yet introduced. Early and very productive; fruits grow 9 inches long, slightly tapering, flesh white, firm and crisp with very few seeds; color dark green. Quality is excellent either when sliced, or for making pickles.

Pkt., 10c; oz., 35c; ¼ lb., \$1.00.

## ENDIVE

One of the best salads for fall and winter use, and sometimes used for greens, flavoring soups and stews. It may be grown at any season but is more generally planted for fall.

**Culture.** For early use, sow about April 15th; for later use, sow in June or July, in drills 18 inches apart, and when large enough thin out to about 1 foot apart. When nearly grown, tie the outer leaves together over the center in order to blanch up the heart. By covering fresh plants every few days a succession may be kept up. One ounce to 100 ft. of row.

**150 GREEN CURLED.** (93 days.) One of the hardiest and best varieties for general use. It has deep green leaves, beautifully cut and curled, is easily blanched; very crisp, tender and of fine flavor.

Pkt., 10c; oz., 25c; ¼ lb., 75c.

**151 BROAD LEAF BATAVIAN (Escarolle).** (90 days.) A variety having broad, more or less twisted, wavy, bright green leaves with thick white midribs. It is much larger in growth than other sorts and has a flavor all its own. The inner leaves form a very solid, clustering head; are blanched a beautiful deep, creamy white; crisp, tender and of fine flavor. Very highly esteemed by the French and popular wherever used.

Pkt., 10c; oz., 25c; ¼ lb., 75c.

**152 MOSS CURLED.** (93 days.) A compact growing variety forming large dense clusters, finely divided, medium green leaves. When properly blanched is rich creamy white and tender. An ornamental variety for salads.

Pkt., 10c; oz., 25c; ¼ lb., 75c.

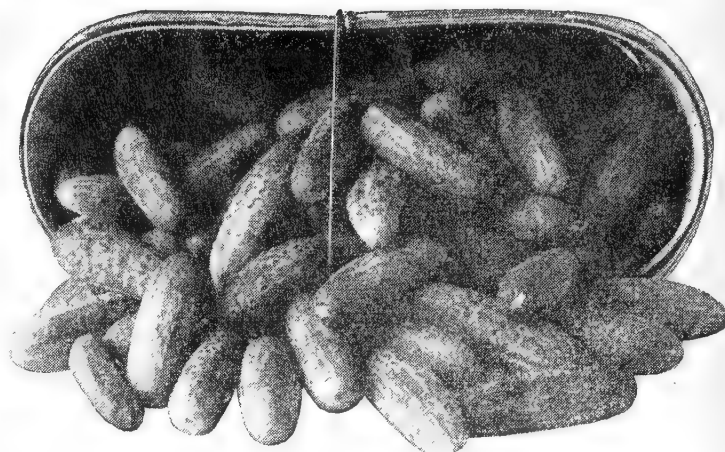
**153 WHITE CURLED.** (98 days.) Plants 12 to 13 inches in diameter; leaves finely curled, with broad ribs slightly rose tinged. Creamy white at the heart. Handsome in appearance and of fine flavor; excellent for salads.

Pkt., 10c; oz., 25c; ¼ lb., 75c.

## 154 GARDEN HUCKLEBERRY

This is a novelty, well described by the above name, which bears racemes or bunches of black berries, tomato-shaped, ½ to ¾ inch in diameter, which make excellent pies and preserves. The bushes are about 3 feet tall. Cultivation is the same as with the tomato of which this plant is a distant cousin.

Pkt., 15c; ½ oz., 30c; oz., 50c.



National Pickling Cucumber

**141 CHICAGO PICKLING.** (58 days.) A very prolific variety good both for pickling and slicing. The young fruit is short, straight, square ended and medium deep green in color.

Pkt., 10c; oz., 35c; ¼ lb., \$1.00.

**143 NATIONAL PICKLING.** (56 days.) Due to its remarkable solidity and heavy yields, this is today one of the favorite pickling sorts. It is just as firm after pickling as before. Early, dark rich green, straight and symmetrical, and can be used when very small.

Pkt., 10c; oz., 35c; ¼ lb., \$1.00.

**145 EARLY GREEN CLUSTER.** (52 days.) Short and prickly; bearing in clusters; prolific; fine for bottling.

Pkt., 10c; oz., 35c; ¼ lb., \$1.00.

**146 WHITE WONDER.** (58 days.) Fruit, produced in clusters, is symmetrical, short, blocky, and rounded at both ends; color ivory-white from time of forming until maturity; moderately productive.

Pkt., 10c; oz., 40c; ¼ lb., \$1.20.

## KALE or Borecole

A popular crop for fall, winter and spring use as "greens." In addition to its table use it is a splendid soil improver and very nutritious as a grazing crop for cattle, hogs or sheep.

**Culture.** In this section it is usually sown broadcast from the middle of August to the middle of October at the rate of 3 to 4 pounds to the acre. Scotch Kale is sown earlier and when very early is usually sown in drills. In the spring, seed can be sown in February, March and April. 1 ounce of seed sows 200 feet of drill, 3 pounds per acre.

**164 DWARF BLUE SCOTCH.** (55 days.) Dark blue-green and very curly. One of the most handsome varieties. On account of the short stems, the leaves rest practically on the ground. The leaves are wide-spread and plumelike, very dense, dark blue-green, and retain their color after cutting.

Pkt., 10c; oz., 30c; ¼ lb., 90c.

**165 DWARF SIBERIAN.** (60 days.) A vigorous growing sort of spreading habit, its green foliage having a distinctive bluish tinge or bloom. Very hardy and a favorite in many sections for greens and extensively grown for forage.

Pkt., 10c; oz., 20c; ¼ lb., 60c.

**166 DWARF GREEN CURLED SCOTCH.** (55 days.) A finely curled, spreading, low-growing variety, which is very popular in many trucking centers, especially in the East. The leaves are attractive, bright green color and beautifully curled, which makes it excellent for garnishing. It must be sown earlier than other sorts; usually from July until end of August, or can be sown in March. Can be sown either in drills or broadcast.

Pkt., 10c; oz., 25c; ¼ lb., 75c.

**167 TALL GREEN CURLED SCOTCH.** (60 days.) Leaves green, beautifully curled and wrinkled—grows about 2 feet in height; hardy, being improved by frost. Pkt., 10c; oz., 35c; ¼ lb., \$1.00.

## LEEK

A kind of onion that does not form a bulb, but grows in a long stem, which is blanched by drawing earth around it. When blanched it makes an appetizing salad, or is eaten like green onions. Boiled, they are more delicate in flavor than the mildest onions. Seed is sown in the spring and the leek is ready in the fall. Given a little protection with dirt, it will last over winter and give a welcome addition to the early spring menu.

**170 GIANT MUSSELBURG.** (150 days.) The most extensively used of the strong growing types. It is broad-leaved, with short but very thick stems, uniform, and of fine quality.

Pkt., 15c; ½ oz., 50c; oz., 90c.

## GARLIC

(See page 5.)

## HERBS

Belong in Every Garden.

(See page 3.)

VEGETABLES FOR PEACE,  
AS FOR  
VICTORY

# LETTUCE

The smallest of home gardens can easily grow plenty of Lettuce. By making successive sowings and using the Lettuce as it is thinned, a supply can be had throughout the season.

Lettuce seed germinates quickly and may be planted as soon as the ground can be prepared in the early spring. Sow seed in rows 15 to 18 inches apart, covering not more than one-half inch deep.

To grow good head Lettuce, requires rich soil, plenty of moisture, and steady growth from the time the seeds are planted until the heads are ready to use. A check in growth from lack of nourishment or moisture usually means no head. The most satisfactory results come from growing Lettuce in cool weather. The plants should be thinned to 10 inches apart in the row and thorough cultivation given to keep down the weeds and conserve moisture.

One ounce sows about 250 feet of row; 3 pounds for 1 acre.

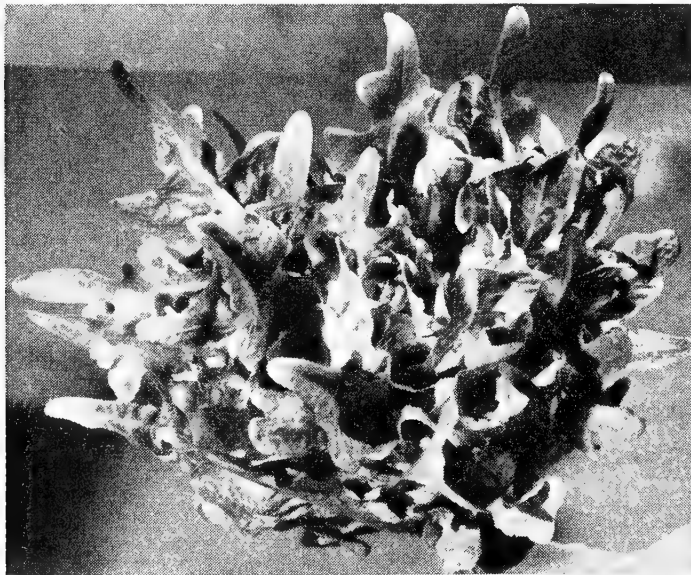
## Curled or Loose-Leaved Varieties

**172 BLACK-SEEDED SIMPSON.** (45 days.) The best sort for nearby markets and for home gardens on account of its superior quality. It forms a large, loose head, very bright green, nearly white and is exceedingly tender. Is largely used for forcing under glass and is a superior sort for earlier crops. **Pkt., 10c; oz., 25c; ¼ lb., 75c.**

**173 GRAND RAPIDS.** (43 days.) Special forcing strain. The most popular variety for greenhouse forcing, especially for shipping. It is of quick growth, hardy and not liable to rot; remains in good condition several days after being fit to cut. Plants are upright and uniform; leaves finely crumpled at the edges. It is the heaviest loose-headed sort, will stand shipping better and is a very attractive variety. **Pkt., 10c; oz., 25c; ¼ lb., 75c.**

**174 EARLY CURLED SIMPSON (White-Seeded).** (45 days.) Makes a large, loose curled head similar to Black-Seeded Simpson. Particularly adapted for sowing thickly and cutting when the plants are young. Leaves light green, slightly frilled, much blistered, crisp, sweet and tender. **Pkt., 10c; oz., 25c; ¼ lb., 75c.**

**175 EARLY PRIZE HEAD.** (45 days.) A large clustering, non-heading sort, most excellent for home gardens as it is very early. Leaves broad, crumpled, and frilled; outside leaves tinged red, inner leaves entirely green; very crisp, sweet and tender. **Pkt., 10c; oz., 25c; ¼ lb., 75c.**



Oak-Leaved Lettuce

**183 Bibb Lettuce** (60 days.) A loose, waxy head variety with very dark green outer leaves, bleaching to a rich yellowish green inside. Heads medium size, unusually crisp and tender, and of a distinct flavor. Very popular for family gardens, high class hotel and restaurant trade. One of the best winter forcing varieties. **Pkt., 20c; ½ oz., 30c; oz., 50c; ¼ lb., \$1.50.**

## Cos or Romaine Lettuce

This type of Lettuce forms upright loose folding heads, and the inner leaves bleach white. Heads readily in almost any climate.

**184 TRIANON COS.** (66 days.) Makes a well folded, cylindrical, medium green head. Interior pale greenish white. Smooth, crisp leaves. A distinct flavor all its own. **Pkt., 10c; oz., 25c; ¼ lb., 75c.**

# MUSTARD

Mustard greens are as healthful and nourishing as spinach. The leaves of Mustard are more tender, and the stems are not so long and coarse. The plants are in condition for use as soon as the leaves are the size of one's hand.

**Culture.** Sow broadcast or in drills 12 inches apart in March or April, or in the fall in September or October. Cut when 3 inches high.

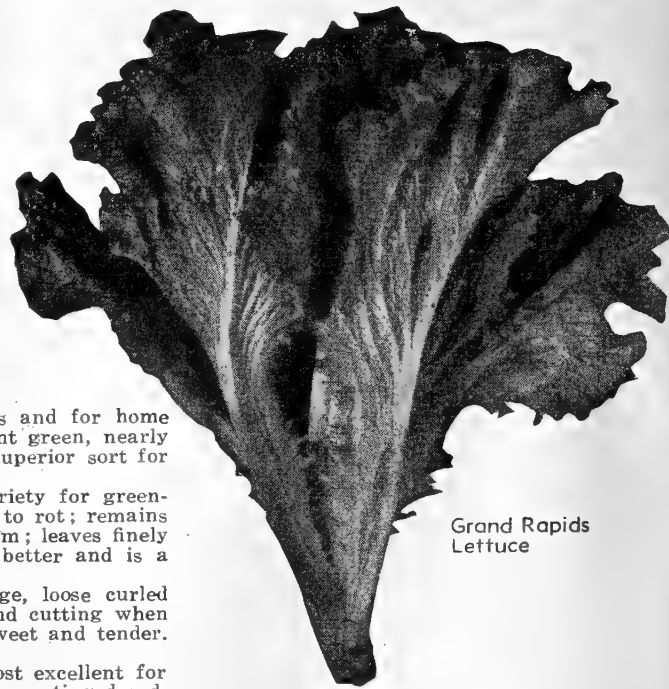
One ounce sows about 80 feet of drill. An acre requires 4 pounds.

**221 MUSTARD SPINACH or TENDERGREEN.** (45 days.) A desirable, quick-growing, tender variety with long, broad, fairly smooth leaves of dark green; white mid-ribs; slow to seed. **Pkt., 10c; oz., 20c; ¼ lb., 50c.**

**222 SOUTHERN GIANT CURLED.** (40 days.) A large growing sort with succulent, pungent leaves of sweet flavor. The best variety for use as greens. **Pkt., 10c; oz., 20c; ¼ lb., 50c.**

**223 WHITE or YELLOW LONDON.** Used for greens and the seed largely used for pickles and flavoring. **Pkt., 10c; oz., 15c; ¼ lb., 40c.**

**FORDHOOK FANCY.** See Novelty page 4.



Grand Rapids Lettuce

**176 OAK-LEAVED.** (40 days.) This excellent variety is noted for its ability to withstand hot weather without turning bitter. Leaves are smooth and lobed to resemble the leaf of an oak tree. Deep green and tender. **Pkt., 20c; oz., 60c; ¼ lb., \$1.75.**

## Crisp Heading Varieties

**177 GREAT LAKES LETTUCE.** (83 days.) Great Lakes, developed at Michigan Agricultural Experiment Station, is resistant to tip-burn. Heads are of good size. The leaves are dark green, attractively fringed and wrap tightly over the head, causing unusual crispness. Allow plenty of room for each plant—at least 14 inches each way. Thin the plants while small. **Pkt., 25c; oz., 75c; ¼ lb., \$2.25.**

**178 ICEBERG.** (82 days.) A beautiful lettuce, with large, curly leaves of bright, light green, with a very slight reddish tint at the edges. Handsome heads, usually solid because of the natural tendency of the large, strong leaves to turn in which also causes thorough blanching. Crisp, tender and fine flavor. **Pkt., 10c; oz., 40c; ¼ lb., \$1.25.**

**180 BIG BOSTON.** (75 days.) Forms a large, compact head, forces well in frames and is thoroughly satisfactory for outdoor crops in the spring or very late head crops in the fall. Leaves are broad, comparatively smooth, color bright, light green. Heads slightly tinged with reddish brown. **Pkt., 10c; oz., 25c; ¼ lb., 75c.**

**181 HANSON.** (82 days.) A splendid summer heading sort and probably the most popular of its class in this section. The plants are compact, forming a large cabbage-like head which remains in good condition a long time. The outer leaves are yellowish green, somewhat crumpled with a large mid-rib, the inner leaves white, sweet and tender. **Pkt., 10c; oz., 25c; ¼ lb., 75c.**

**182 NEW YORK or WONDERFUL.** (78 days.) This variety is raised in California and shipped to Eastern markets as "Iceberg." Crisp, tender and free from bitterness. It produces immense heads, often 15 to 16 inches across and weighing enormously. The interior is beautifully blanched, creamy white, crisp, tender and delicious. It is a very large, robust growing variety, rooting deeply, resisting hot dry weather, very slow to run to seed and a sure header under most trying conditions. **Pkt., 10c; oz., 35c; ¼ lb., \$1.00.**



Southern Giant Curled Mustard



# MUSKMELON or CANTALOUPE

1 ounce plants 50 hills; 2 lbs. to 1 acre. Plant in May for early crop; in June for late crop.

**It's Not Hard to Raise Melons** It is much easier to raise Melons than is usually supposed and they are so delicious a fruit that everyone who has any garden at all should raise some. All that is required is a good rich, well manured soil, that is not too heavy, and a warm, sunny situation.

**Culture.** Seed is planted in hills 6 feet apart, putting 10 to 12 seeds to the hill and covering 1 inch deep. If land is not rich, use well-rotted manure or a little sheep manure mixed with the soil. When danger of insects is over, thin out to 4 plants to the hill.

## Green Fleshed Varieties

**187 ROCKY FORD or NETTED GEM.** (88 days.) The flesh is green, thick, with small cavity, very sweet and has that spicy flavor that makes a Cantaloupe so delicious. The melons are oval-shaped, slightly ribbed, well covered with fine netting and are uniform in size and shape. **Pkt., 10c; oz., 40c; ¼ lb., \$1.25.**

**189 EXTRA EARLY HACKENSACK.** (82 days.) Earlier than the Large Hackensack and produces medium sized fruit, somewhat flattened, evenly deep ribs with coarse netting. The flesh is green, slightly tinged with yellow, juicy and sweet. **Pkt., 10c; oz., 40c; ¼ lb., \$1.25.**

**190 LARGE HACKENSACK (or Turk's Cap).** (88 days.) An old and well known sort which produces very large, green-fleshed fruits which are nearly round and flattened. Flesh green, thick, juicy, and sweet. **Pkt., 10c; oz., 40c; ¼ lb., \$1.25.**

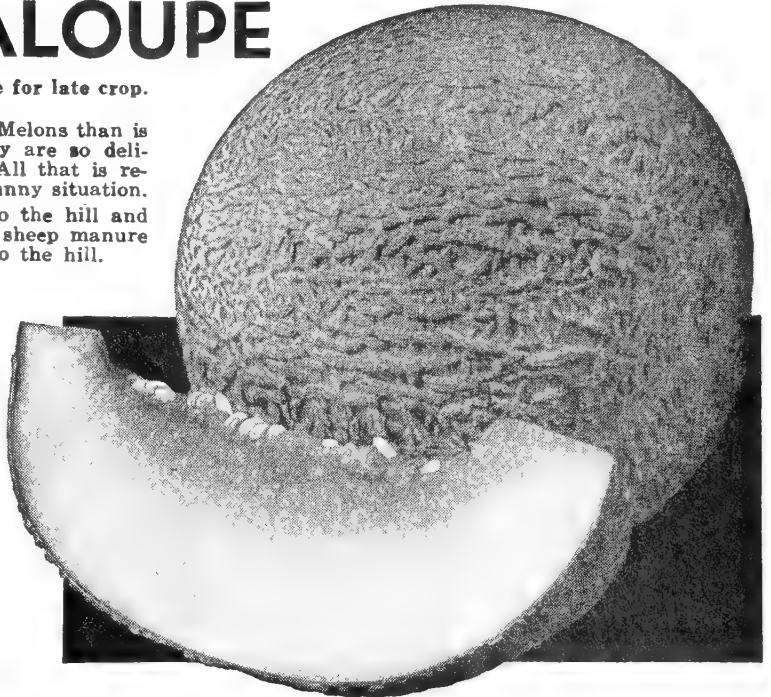
**191 HONEY DEW.** (112 days.) Its name has been well chosen, as it is about as sweet as honey. The average size is about 6 inches in diameter, and it weighs 5 to 6 pounds. The skin is smooth with a little netting and of creamy yellow when ripe. The flesh is beautiful green next to the outside rind shading to light green at center. It is very thick, fine grained, and can be eaten almost to the rind and the seed cavity is quite small. **Pkt., 10c; oz., 40c; ¼ lb., \$1.25.**

## Orange Fleshed Varieties

**193 PRIDE OF WISCONSIN.** (85 days.) We believe Pride of Wisconsin to be the last word in a quality Melon—the deep colored sparkling orange flesh is totally unlike other cantaloupes. Rind is strong and hard, with heavy coarse netting. The seed cavity is triangular shape. This Melon is just the right size. **Pkt., 10c; oz., 40c; ¼ lb., \$1.25.**

**194 BENDER'S SURPRISE.** (90 days.) Exquisitely fine flavor, large size and earliness combine to make this new Melon a great favorite. The Melons are of oval shape; flesh deep orange, very thick, deliciously sweet and of high flavor. Grows fairly large, weighing up to 10 pounds each. The Melons are very firm, keep for a week after being picked. **Pkt., 10c; oz., 40c; ¼ lb., \$1.25.**

**196 HALE'S BEST.** (86 days.) Since its introduction, this variety has displaced some of the older popular favorites by its outstanding merit. An early Melon, ripening in 80 to 90 days. The nearly round fruits are normally 6 to 6½ inches long, densely covered with a medium heavy netting and almost devoid of ribbing. The flesh is very thick and fine grained, deep salmon-pink in color, richly flavored. **Pkt., 10c; oz., 40c; ¼ lb., \$1.10.**



The Famous Pride of Wisconsin

**197 HEARTS OF GOLD or HOODOO.** (92 days.) A new orange-fleshed variety, ideal as a shipping Melon and of the very finest quality. Fruits uniformly of medium size. Rind thin yet very firm. Flesh very thick, firm, of fine texture and delicious flavor. **Pkt., 10c; oz., 40c; ¼ lb., \$1.10.**

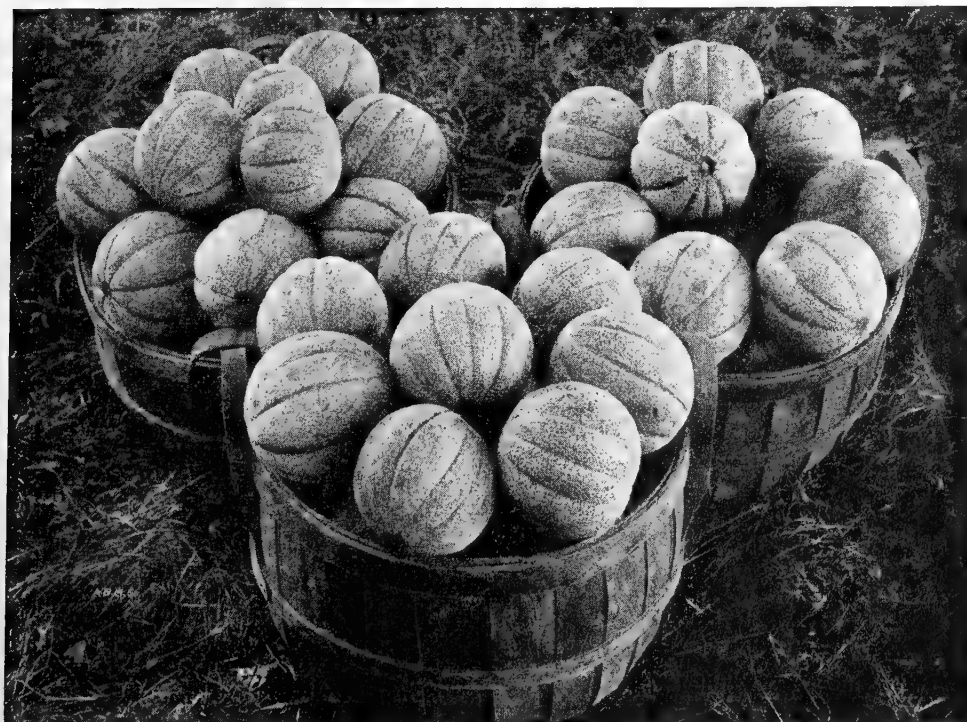
**198 HONEY ROCK or SUGAR ROCK.** (85 days.) The best recent introduction; originating in Indiana. Its extreme earliness is not the least of its valuable qualities. It is of medium size with a slate-gray rind and coarse, rope-like netting. It has a thick, pink flesh and a small seed cavity. The flavor is excellent. **Pkt., 10c; oz., 40c; ¼ lb., \$1.25.**

**199 OSAGE or MILLER'S CREAM.** (92 days.) A medium salmon-fleshed Melon of excellent quality. Fruits are oval, dark green, slightly ribbed, tinged with grey. Flesh salmon color, thick, and highly flavored. A splendid sort for late or main crop, especially for the market. **Pkt., 10c; oz., 40c; ¼ lb., \$1.10.**

**200 TIP TOP.** (86 days.) A popular sort with market gardeners, producing very large sized Melons, ribbed but almost smooth skin. Flesh salmon, very deep, a little coarse but exceedingly sweet and delicious. Especially desirable for very rich soil and one of the most profitable for market. **Pkt., 10c; oz., 40c; ¼ lb., \$1.10.**

**201 BANANA.** (96 days.) A long, smooth-skinned variety, growing somewhat in the shape of a long squash. Fruit about 12 inches long, salmon flesh, which is very sweet, luscious and tender. Much esteemed in some localities. **Pkt., 10c; oz., 45c; ¼ lb., \$1.35.**

SLOW GROWING FLOWERS NEED EXTRA EARLY START



Melons Are Not Hard to Raise

**PLANT A GARDEN**  
Food—Health—Thrift

**You No Longer Need Envy the  
Owner of a Beautiful Lawn**

**SOW ACME SUPERFINE  
LAWN SEED**

**99.90 Per Cent Free From Weeds**

(See inside front cover)

WHEN ORDERING, SEE PAGE 64 OF THIS CATALOG

# WATERMELONS

Watermelons do best on old, rich soil, which is not too freshly manured, hence when making the hills, well-rotted manure should be used, and it is better to prepare them some time ahead before planting the seed. If manure cannot be obtained, use good commercial fertilizer or sheep manure mixed with the soil.

One ounce plants 20 hills; 2 pounds per acre. Plant early in May or for late use, in June.

**Culture.** Treat as for Muskmelons, but give more room, 10 to 12 feet apart each way.

## 202 Klondike Striped Blue Ribbon

(Wilt Resistant.)

Considering eating, as well as shipping qualities, this variety is the best of the small Melons. Flesh is deep red, sweet, stringless and melting. Rind light green, conspicuously striped with darker green, thin, hard and tough, making it desirable for shipping. The firm flesh will keep many days. Size is just right for the customer to carry home, weight averaging about 25 lbs. This Blue Ribbon strain is resistant to wilt. **Pkt., 15c; oz., 50c; ¼ lb., \$1.50.**

**203 EARLY KANSAS.** (80 days.) The largest of all early Melons. It combines sweet flavor and bright red flesh, solid to the rind, which is not thick. Nearly round, light green with broad bands of wavy stripes. Every Melon a good one; no white or stringy hearts, and a wonderful shipper. **Pkt., 10c; oz., 30c; ¼ lb., 85c.**

**204 WILT-RESISTANT KLECKLEY'S SWEET NO. 6.** (88 days.) A Wilt-Resistant Watermelon. This new strain marks a distinct advancement toward the development of the popular Watermelons where soil disease is serious. An improved Kleckley's Sweet type which has proven almost fully resistant to fusarium wilt. It is dark green, of good length with deep red flesh, and white seeds. **Pkt., 10c; oz., 30c; ¼ lb., 90c.**

**206 STONE MOUNTAIN.** (90 days.) A Melon of finest quality and claimed to be the sweetest of all of the large Melons. It is almost round and has a dark green, medium thick rind. Flesh rich scarlet. It is not unusual to grow Stone Mountain weighing 70 to 80 pounds. For home use and nearby markets it is unexcelled. **Pkt., 10c; oz., 30c; ¼ lb., 90c.**

**207 TOM WATSON.** (92 days.) A long, dark green Melon, which has become exceedingly popular on account of its large size and general fine qualities. Vines are vigorous and productive. Flesh rich bright red, very juicy and sweet. Most suitable for nearby markets, family gardens, and a favorite with truckers, as it stands shipping well and retains its color and good quality a long time. **Pkt., 10c; oz., 25c; ¼ lb., 75c.**

**208 KLECKLEY'S SWEET or MONTE CRISTO.** (85 days.) One of the best flavored Melons in cultivation and one of the best for home use or nearby markets. It is long, very dark green with thin rind. Flesh deep red, of fine, delicious flavor. **Pkt., 10c; oz., 25c; ¼ lb., 75c.**

**209 Florida Giant** (88 days.) The largest and best of the so-called round type Watermelons. Dark green skin and the flesh deep bright red and of very fine quality and flavor. **Pkt., 10c; oz., 40c; ¼ lb., \$1.25.**



Klondike Watermelon

**211 SWEETHEART.** (90 days.) A very popular shipping sort, particularly in the South. Fruits are very large, oval, very heavy with thin rind which is of light green color, slightly veined with darker shade. Flesh bright red, firm, very sweet, and the fruits remain in condition a long time after ripening. A splendid sort for market or main crop, being of fine appearance and sells readily. **Pkt., 10c; oz., 25c; ¼ lb., 75c.**

**212 DIXIE QUEEN.** (85 days.) A leader for home gardens, local markets, and for shipping. Fruits nearly round with light and dark green stripes; thin, tough rind; flesh deep scarlet, crisp and sweet. Medium to large size, and very uniform. The few seeds are white. **Pkt., 10c; oz., 40c; ¼ lb., \$1.10.**

**213 PEERLESS or ICE CREAM.** (85 days.) A splendid early sort for home or market gardens. Vines moderately vigorous, hardy, and very productive. Fruits are oblong, medium size, bright green, finely veined with darker shade. Flesh bright scarlet, crisp and very sweet. **Pkt., 10c; oz., 25c; ¼ lb., 75c.**

**214 GEORGIA RATTLESNAKE.** (90 days.) Also called Gypsy. One of the most popular of the older sorts, especially in the South. Fruits are large, very long, of light green color, distinctly striped and blotched with darker shade. In the South it is very highly esteemed and especially desirable for growing and shipping. The rind is remarkably thin though very tough; hence, it stands shipping well. Flesh most tender, sweet and luscious. Fruits are uniformly good quality. **Pkt., 10c; oz., 25c; ¼ lb., 75c.**

**215 HALBERT'S HONEY.** (87 days.) A long, dark green Melon of moderate size but such splendid quality that it is especially desirable for market or home use. The rind is very thin. Flesh bright crimson and so crisp and tender that ripe Melons will split ahead of the knife in cutting. We especially recommend this for general planting as it is very productive, of excellent quality and a splendid seller. **Pkt., 10c; oz., 25c; ¼ lb., 75c.**

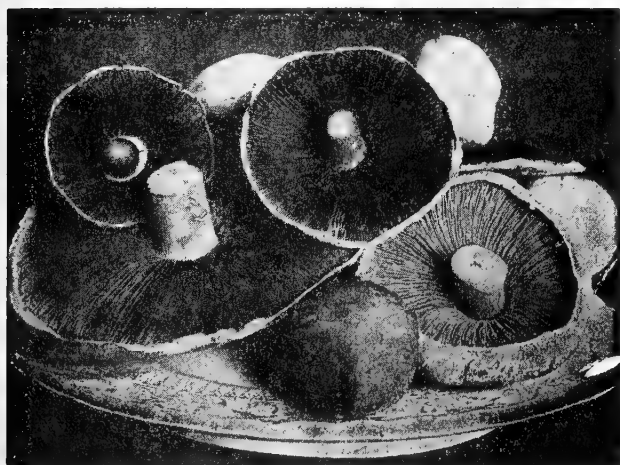
**ICE BOX WATERMELON.** See page 4.

## MUSHROOM SPAWN

Our special leaflet, "Mushroom Culture," will be sent free if you ask for it. Follow the directions and you should grow splendid mushrooms.

### American-Grown Pure Culture Spawn

**BRICK SPAWN.** One brick will plant about 10 sq. ft.  
50c a brick; 5 bricks, \$2.25.



Mushrooms from Pure Culture Spawn

## PLANT A SUCCESSION GARDEN

An astonishing amount of vegetables can be grown on a small plot of ground by planting succession crops and by intercropping. Such vegetables as Radish, Leaf Lettuce, Green Onions and Spinach can be planted between Beans, Peas, Tomatoes, and Corn, which require much wider rows. Make several plantings of Beans and Peas to have a fresh table supply all season. Any surplus may be canned for winter use. Follow the early crops with vegetables for fall and winter use such as Spinach, Kohl Rabi, Turnips, Kale, etc. Have fresh, healthful vegetables on your table throughout the entire growing season.



## OKRA or GUMBO

Okra pods are used in soups, stews, catsup and other relishes. They are at their best when 1 to 3 inches long. Rapidly becoming a most popular vegetable.

**Culture.** Sow in drills  $2\frac{1}{2}$  feet apart after the weather has become settled and warm. Thin out to 18 inches apart in rows. To keep for winter, slice the pods when young in narrow rings and string or hang in the shade to dry.

One ounce sows about 50 feet; 8 pounds per acre. Plant in April or May. Matures in 50 to 60 days from planting.

**224 WHITE VELVET.** (60 days.) An early maturing and very productive variety growing about  $3\frac{1}{2}$  feet high. Pods white, long, smooth, and very tender. This is not so deeply ribbed as the green sorts and is very popular in some sections. Pkt., 10c; oz., 20c;  $\frac{1}{4}$  lb., 45c.

**225 DWARF GREEN PROLIFIC.** (50 days.) One of the most popular sorts in the South, growing 3 feet high, producing large pods, deeply ribbed, tender and of fine flavor. Pkt., 10c; oz., 20c;  $\frac{1}{4}$  lb., 45c.

**226 PERKINS' MAMMOTH TALL GREEN.** (60 days.) Plant dwarf; is very attractive. Produces long, slender, deep green pods which remain tender a long time. Pkt., 10c; oz., 15c;  $\frac{1}{4}$  lb., 45c.

## ONION SETS

There are three distinct classes of these. **Potato or Hill Onions** can be planted in the fall from August to November and produce green spring Onions, large Onions, and Sets. **Perennial or Egyptian Top** Onion Sets are planted in the fall and produce green spring Onions early in the spring. **Bottom Sets** or regular Onion Sets of commerce are small Onions which were previously grown from seed. These set out early in the spring or in the South in the fall, produce one large Onion from each Set, towards the end of June or first of July. Pickling Onions (which are a larger size bottom Set) are used in some localities for fall planting to produce early green spring Onions. All Onion Sets are hardy and can be set in the open ground as early as the weather will permit. They are usually planted in rows 15 inches apart—4 inches apart for small Sets and 6 to 8 inches apart for Potato Sets. Potato Onion Sets can also be planted in the spring. It takes about 16 bushels of bottom Onion Sets per acre, and 20 to 25 bushels of Potato Onion Sets, according to the size and distance apart.

Prices of Onion Sets are subject to market changes. Prices on application.

## ONIONS

One of the most nutritious and healthful of vegetables, having excellent medicinal qualities and most useful for flavoring salads, soups, meats, etc. It can be produced easily from either Sets or Seed and is one of the most satisfactory vegetables in the garden.

**Culture, Growing Large Onions from Seed.** Seed is sown in rows 15 inches apart as early in the spring as ground can be worked, and covered about one-half inch deep. When 2 to 3 inches tall, the young plants can be thinned to prevent crowding. They can be thinned again when 6 or 8 inches tall, and the plants removed can be used as green Onions. After that, they can be pulled as needed, and those that are left to become fully ripe can be stored for winter. One ounce sows 125 feet of row, 4 pounds of seed per acre.

**230 HARDY WHITE BUNCHING.** Used exclusively for green bunching, as it forms no bulbs. A hardy perennial, and produce for many years as long as a portion of the plant is allowed to remain. Seeds sown in the spring or summer will produce late in the fall or, if wintered over, very early the following spring. Plants increase in size as they grow older, and thinning to eight to twelve inches between plants is advised after the first year. Tender and of mild flavor.

Pkt., 15c;  $\frac{1}{2}$  oz., 45c; oz., 85c.

**231 YELLOW GLOBE DANVERS.** (110 days.) One of the most extensively grown yellow Onions. Bulbs are of large size, uniformly globe-shaped with small necks. Ripen evenly. Flesh creamy white, crisp and excellent flavor. Onions have a yellow coppery color, showy and handsome.

Pkt., 15c;  $\frac{1}{2}$  oz., 35c; oz., 60c.

**232 OHIO YELLOW GLOBE.** (110 days.) A very much esteemed and popular sort grown extensively in this state. Particularly suited to rich soils. Color rich yellow tinged with orange. Flesh creamy white, mild, and of fine flavor. One of the best for main crop planting and shipping as it is an excellent keeping sort.

Pkt., 15c;  $\frac{1}{2}$  oz., 35c; oz., 60c.

## PARSLEY

Easily grown and useful for so many purposes, such as garnishing, seasoning salads and for ornamental purposes. Grown in the garden as edging it is both ornamental and profitable.

**Culture.** Seed is sown in rows  $\frac{1}{2}$  inch deep and one foot apart. Cover firmly but not deep. As it is slow to germinate, usually taking 3 to 4 weeks, soaking in water is desirable. One ounce sows 150 feet of drill.

## 238 Paramount Triple Curled

(85 days.) Winner of the All-America Award of Merit. Very compact, 9 to 12 inches tall, foliage dark green, very uniformly curled. Unexcelled for home garden, market garden, or for forcing.

Pkt., 10c; oz., 30c;  $\frac{1}{4}$  lb., 90c.

**239 MOSS CURLED.** (70 days.) A beautifully curled and crimped variety with finely cut and curled leaves. Excellent for garnishing.

Pkt., 10c; oz., 25c;  $\frac{1}{4}$  lb., 75c.

**240 HAMBURG or ROOTED.** (90 days.) Has plain leaves, which can be used like ordinary Parsley. Plants form edible roots resembling slender Parsnips in color and shape. Roots are used for flavoring soups and stews, can be dug late and stored in winter.

Pkt., 10c; oz., 25c;  $\frac{1}{4}$  lb., 75c.

**241 PLAIN or SINGLE.** (72 days.) Plants spreading with dense, long stem, dark green foliage with leaves coarsely cut but not curled. Used for flavoring as well as for drying.

Pkt., 10c; oz., 25c;  $\frac{1}{4}$  lb., 75c.



Perkins' Mammoth Okra

**233 PRIZETAKER.** (110 days.) The true Prizetaker is globe-shaped, has pale yellow skin and white flesh, which is very mild and of delicate flavor. It is strictly "fancy", and will be found on fruit stands during the fall, where it is sold as Spanish Onion. No sets are required, as the large Onions are grown the first year from seed sown during early spring.

Pkt., 15c;  $\frac{1}{2}$  oz., 40c; oz., 75c.

**234 RIVERSIDE SWEET SPANISH.** (110 days.) A very large globe-shaped, light yellow Onion with small top and an exceptionally fine shipper. It is a Spanish variety resembling Prizetaker, which has quickly become very popular.

Pkt., 15c;  $\frac{1}{2}$  oz., 40c; oz., 75c.

**235 WHITE PORTUGAL (Silverskin).** (100 days.) A well-known and favorite variety making medium size Onions of mild flavor with beautiful, clear white skin. Largely used for Sets and pickling Onions. Mature 10 days earlier than White Globe. Bulbs are nearly round when of bunching size but somewhat flattened when mature. One of the best flattened sorts for general use.

Pkt., 15c;  $\frac{1}{2}$  oz., 40c; oz., 75c.

**236 SOUTHPORT WHITE GLOBE.** (110 days.) A fine early or main crop sort for home garden. Flesh is firm, fine grained, white, mild and more desirable for cooking than the yellow or red sorts. Bulbs are globe-shaped, full at the shoulder, round at the base, keep well; a good market variety.

Pkt., 15c;  $\frac{1}{2}$  oz., 45c; oz., 85c.

## PARSNIPS

This fine vegetable should be in every home garden. Parsnips grow best in a loose, rich, sandy soil, but will make good roots in any soil that is reasonably rich and deep. Parsnips are improved by freezing, and a portion of the crop can be left in the ground and will supply a welcome addition to the winter vegetables.

**Culture.** Sow in April in drills 18 inches apart, covering lightly. When the plants are about 2 inches high, thin out from 4 to 6 inches apart. One ounce will sow 150 feet of drill, 3 pounds to the acre.

**242 LARGE SUGAR or HOLLOW CROWN (Guernsey).** (85 days.) One of the best and most popular varieties for the table. Roots long, uniform in shape, have a smooth, white skin, tender and of good quality.

Pkt., 10c; oz., 25c;  $\frac{1}{4}$  lb., 75c.

## PEANUTS

Peanuts can be successfully grown in warm, sandy soil in a sheltered place with a southern exposure. Plant in May or early June, in rows  $2\frac{1}{2}$  feet apart. Drop the shelled nuts 8 to 10 inches apart, cover 1 inch deep. When the plants are nearly full grown, throw earth up to them.

**IMPROVED VIRGINIA.** Large and very prolific. Our seed is not shelled. Order 60 lbs. per acre and shell before planting.

Per lb., 50c; 5 lbs. or more, 45c per lb.

Hollow Crown Parsnip



Paramount Parsley

# GARDEN PEAS

## Plant Enough to Can

One of the most popular crops in the home garden. One pound sows 75 feet in a row; 120 to 180 pounds per acre. The earliest sorts can be planted just as soon as the ground is in condition to work. They are not injured by light frosts. Wrinkled varieties a little later as they are tender. For fall crop sow in August.

**Culture:** Peas succeed best in light, rich loamy soil. The early dwarf varieties can be planted in rows 2 feet apart. The tall varieties in rows 3 feet apart. The seeds should be planted at a depth of  $1\frac{1}{2}$  to 2 inches. All varieties growing more than  $1\frac{1}{2}$  feet high do better if staked up or otherwise supported when 4 to 6 inches tall. This support is usually given by sharpened branches of trees or sticks. Tall varieties yield more abundantly than dwarf. Cultivate and keep clean, working the earth toward the vines rather than away from them.

## Early Varieties

**245 EXTRA EARLY.** (54 days.) One of the best strains of extra early Peas; producing abundantly. Vines grow 2 to  $2\frac{1}{2}$  ft. high; pods 3 to  $3\frac{1}{2}$  inches long, well filled with fine delicious quality Peas. Not only is this probably the earliest of all garden sorts but its yield is so abundant that it is the most profitable variety of all for market gardeners, in addition to being the best early sort for home gardens. Seed is white, smooth, medium size. Vines thrifty, vigorous, robust and extremely productive.

Pkt., 10c;  $\frac{1}{2}$  lb., 20c; 1 lb., 35c; 5 lbs., \$1.50.

**246 ALASKA.** (54 days.) A favorite sort with Southern truckers, producing long, straight pods which will stand shipping, and remain green longer than white seeded sorts. The seed is blue, medium size. Vines about  $2\frac{1}{2}$  ft. high, fairly vigorous and usually produce good yields. Pods long, straight and of attractive appearance. This has long been a popular sort, is of fair quality and well known.

Pkt., 10c;  $\frac{1}{2}$  lb., 20c; 1 lb., 35c; 5 lbs., \$1.50.

**247 Early Bird** (60 days.) The earliest large podded, dwarf sort. Vines about 18 inches high, foliage light green, producing an abundance of single and double, curved, pointed, medium-dark green, attractive pods

of about 4 inches in length; contain 9 to 10 peas. Peas are tender and of excellent flavor.

Pkt., 15c;  $\frac{1}{2}$  lb., 25c; 1 lb., 40c; 5 lbs., \$1.75.

**248 GRADUS.** (60 days.) One of the very best early wrinkled large Podded Peas. The pods are fully as long as Telephone. Vine similar in appearance and does not grow so tall, being of medium height, about 3 to  $3\frac{1}{2}$  feet. The pods are 4 to  $4\frac{1}{2}$  inches long, pointed, handsome and one of the most attractive of the early wrinkled sorts. Peas very large, splendid quality and a beautiful light green color. This has become one of the most popular varieties in cultivation.

Pkt., 15c;  $\frac{1}{2}$  lb., 25c; 1 lb., 40c; 5 lbs., \$1.75.

**249 THOMAS LAXTON.** (60 days.) A very popular gardener's variety. Height, 3 ft.; vine and foliage moderately stout, medium green; pods  $3\frac{1}{2}$  inches long, straight and square ended, containing 7 medium dark green Peas of excellent quality. Extremely productive.

Pkt., 15c;  $\frac{1}{2}$  lb., 25c; 1 lb., 40c; 5 lbs., \$1.75.

**250 LAXTONIAN.** (63 days.) One of the largest podded of the dwarf wrinkled Peas. Pods are about 4 inches in length, of a beautiful dark green color, similar to Gradus in shape, of splendid quality and mature a little earlier. Vines average 15 to 18 inches in height, vigorous, productive, and have dark green foliage.

Pkt., 15c;  $\frac{1}{2}$  lb., 25c; 1 lb., 40c; 5 lbs., \$1.75.

**251 LITTLE MARVEL.** (62 days.) An extra early dwarf wrinkled sort particularly suited to home gardens. Vines average 15 to 18 inches high; vigorous, dark green foliage. Pods 3 inches long, round with blunt ends and often contain seven rich, dark green Peas of high quality.

Pkt., 15c;  $\frac{1}{2}$  lb., 25c; 1 lb., 40c; 5 lbs., \$1.75.

**252 AMERICAN WONDER.** (60 days.) A favorite dwarf, early, wrinkled Pea which is highly esteemed and splendid for family use. Vines about 9 inches to 1 ft. high, covered with well-filled pods, medium size, about  $2\frac{3}{4}$  inches long, containing 5 to 8 large, exceedingly sweet, tender Peas.

Pkt., 15c;  $\frac{1}{2}$  lb., 25c; 1 lb., 40c; 5 lbs., \$1.75.

**253 LAXTON'S PROGRESS.** (62 days.) Produces the largest pods of any of the early dwarf varieties. Vines average about 18 inches in height. The large dark green pods are borne in abundance and are well filled with extra large, tender Peas of superior quality.

Pkt., 15c;  $\frac{1}{2}$  lb., 25c; 1 lb., 40c; 5 lbs., \$1.75.

**254 NOTT'S EXCELSIOR.** (60 days.) A few days later than the American Wonder. Pods about one-quarter larger. It is remarkably hardy and can be planted almost as early as smooth sorts. Height, 1 to  $1\frac{1}{2}$  ft. One of the best for home gardens and profitable for market gardeners.

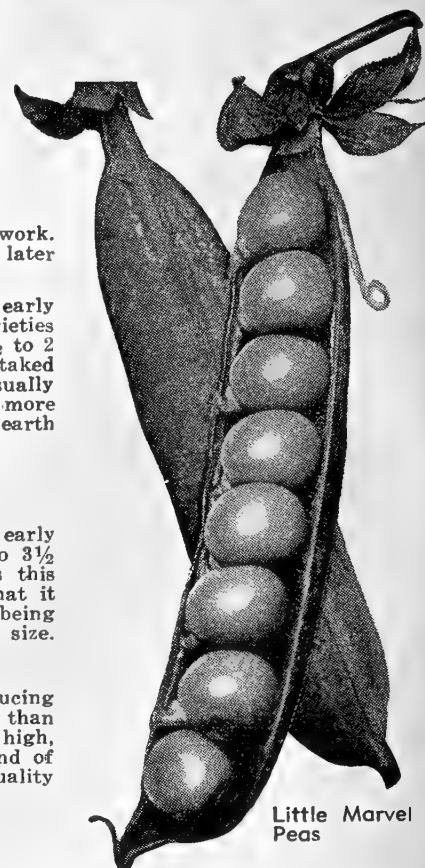
Pkt., 15c;  $\frac{1}{2}$  lb., 25c; 1 lb., 40c; 5 lbs., \$1.75.

### INOCULATION FOR PEAS

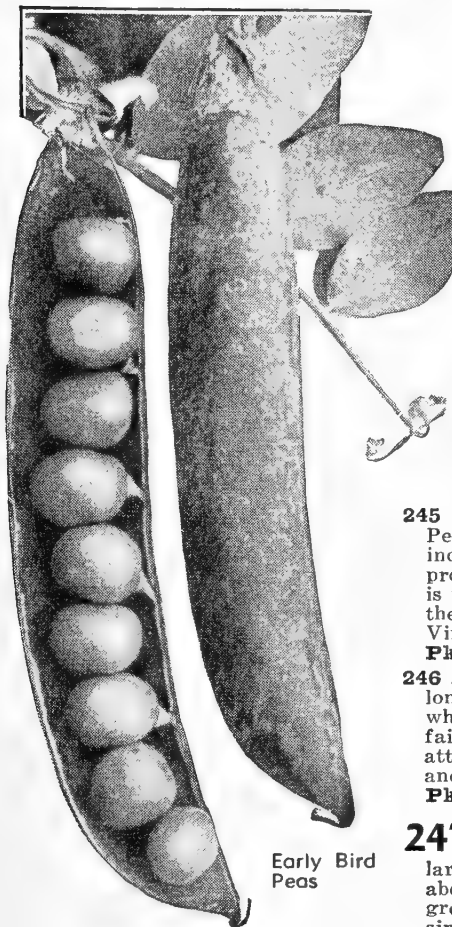
Increase your yields of Peas by treating the seeds before planting with

### NITRAGIN INOCULATOR

Easily done. We have it put up in convenient size for small gardens. (See page 50.)



Little Marvel Peas



Early Bird Peas

**255 PREMIUM GEM.** (63 days.) This has long been a favorite among early dwarf Peas. It matures a little later than American Wonder, is somewhat taller in growth and a little more prolific. Vines vigorous and productive, growing 15 to 18 inches high; pods  $2\frac{3}{4}$  inches long, crowded with Peas of fine quality.

Pkt., 15c;  $\frac{1}{2}$  lb., 25c; 1 lb., 40c; 5 lbs., \$1.75.

## Midseason Varieties

**257 DWARF TELEPHONE.** (74 days.) Similar in general characteristics to the well-known Telephone. Pods  $4\frac{1}{2}$  to 5 inches long, dark green; Peas large, of superior quality, tender and sweet. Vines 3 ft. high.

Pkt., 15c;  $\frac{1}{2}$  lb., 25c; 1 lb., 40c; 5 lbs., \$1.75.

**258 ALDERMAN.** (75 days.) This is really an improved Telephone, and is by far the best variety of this type. Yields more than any other variety. The pods resemble Telephone, but are larger and better filled, while the vines are of more robust growth and more prolific. Height from 4 to 5 feet. For best results the vines should be given some support. The pods are immense, often 5 inches long and contain 8 to 10 large Peas.

Pkt., 15c;  $\frac{1}{2}$  lb., 25c; 1 lb., 40c; 5 lbs., \$1.75.

**259 IMPROVED TELEPHONE.** (75 days.) One of the leading Peas with market gardeners on account of its vigorous, tall growth and productiveness. Vines about 4 ft. high, foliage light green, producing an abundance of pointed pods, very large and light green. Peas large, tender, very sweet, excellent flavor. A splendid sort for home gardens and profitable for market.

Pkt., 15c;  $\frac{1}{2}$  lb., 25c; 1 lb., 40c; 5 lbs., \$1.75.

## EDIBLE-PODDED or SUGAR PEAS

### Cook Like String Beans

These varieties have all the sweetness and flavor of fresh green Peas. When the pods are partly filled, they are prepared like snap beans; when the seeds have developed, they are eaten as shelled peas.

**260 MAMMOTH MELTING SUGAR.** (72 days.) Pods very large,  $4\frac{1}{2}$  inches long, broad, curved and twisted. When young, they are very tender, stringless and fine flavored. Vines are tall,  $4\frac{1}{2}$  to 5 ft. high, with light foliage; are very strong growing and prolific. We strongly recommend more extensive planting of these fine quality Peas.

Pkt., 15c;  $\frac{1}{2}$  lb., 30c; 1 lb., 50c.

**261 DWARF GREY SUGAR.** (65 days.) Pods 3 inches long, light green in color, heavily curved. Vines are about 28 inches tall. A prolific variety and best of the dwarf edible podded Peas.

Pkt., 15c;  $\frac{1}{2}$  lb., 25c; 1 lb., 40c; 5 lbs., \$1.75.

## Did You Know

That for a blood-building diet there are many "iron" foods . . . among them KALE and SPINACH play an important part.



# PEPPERS

Peppers are not difficult to grow. For earliest yields sow in hotbeds and transplant to the open ground in May. Cover seed very lightly and keep the soil moist. Plants should be set about 15 inches apart in rows 2½ feet apart. If the Peppers are kept picked before they turn red, the plants will produce great numbers during the season. One ounce produces about 1,000 plants.

## 263 King of the North

(64 days.) Makes a tremendous yield of large, sweet Peppers. The plants are medium size, covered with large fruit similar in shape to Ruby King; but considerably earlier; rather long, narrow, tapering, flesh is thick, mild and sweet; dark green turning to rich deep red when ripe. If you have not grown King of the North Pepper be sure to plant it this season. Pkt., 15c; ½ oz., 40c; oz., 75c.

## 264 CALIFORNIA WONDER

(74 days.) Resembles Chinese Giant in the large size and blocky form of its fruit, but having an extremely thick flesh not possessed by that variety. Fruit crimson, measuring 4½ inches in length by 4 inches in diameter, mild and sweet.

Pkt., 15c; ½ oz., 40c; oz., 75c.

## 265 HARRIS EARLY GIANT

(63 days.) A very large, sweet Pepper. Plants produce enormous yields and the Peppers mature earlier than any other very large kind. Fruits are 5 inches high and 3½ inches through; deep green turning to brilliant red. Flesh thick and of a very sweet, pleasant flavor. This will be found a very valuable Pepper for the home garden and a profitable one for market.

Pkt., 15c; ½ oz., 40c; oz., 75c.

**266 CHINESE GIANT.** (80 days.) An enormous variety sometimes attaining 6 inches in diameter. It is very even in shape, flesh thick and sweet. Very handsome and of superior quality for stuffing. Plants are vigorous and fairly prolific. Very highly recommended for home use and one of the most profitable to grow for market purposes.

Pkt., 15c; ½ oz., 40c; oz., 75c.

**267 BELL or BULL NOSE.** (64 days.) A large, early sort of mild flavor. Plant vigorous, 2 feet high, very productive, and ripens its crop early and uniformly. A splendid sort for salads, mangoes and for stuffing purposes. Color deep green which becomes bright crimson when ripe.

Pkt., 10c; ½ oz., 35c; oz., 60c.

**268 RUBY KING.** (68 days.) A very large and attractive sort, deep green color when young, bright red when ripe. Flesh thick and mild flavor. One of the best table sorts.

Pkt., 15c; ½ oz., 40c; oz., 75c.

**269 RUBY GIANT.** (70 days.) A variety of Mango Pepper, which is of a desirable size and shape for stuffing. A cross of Ruby King and Chinese Giant, grows to large size and is very mild.

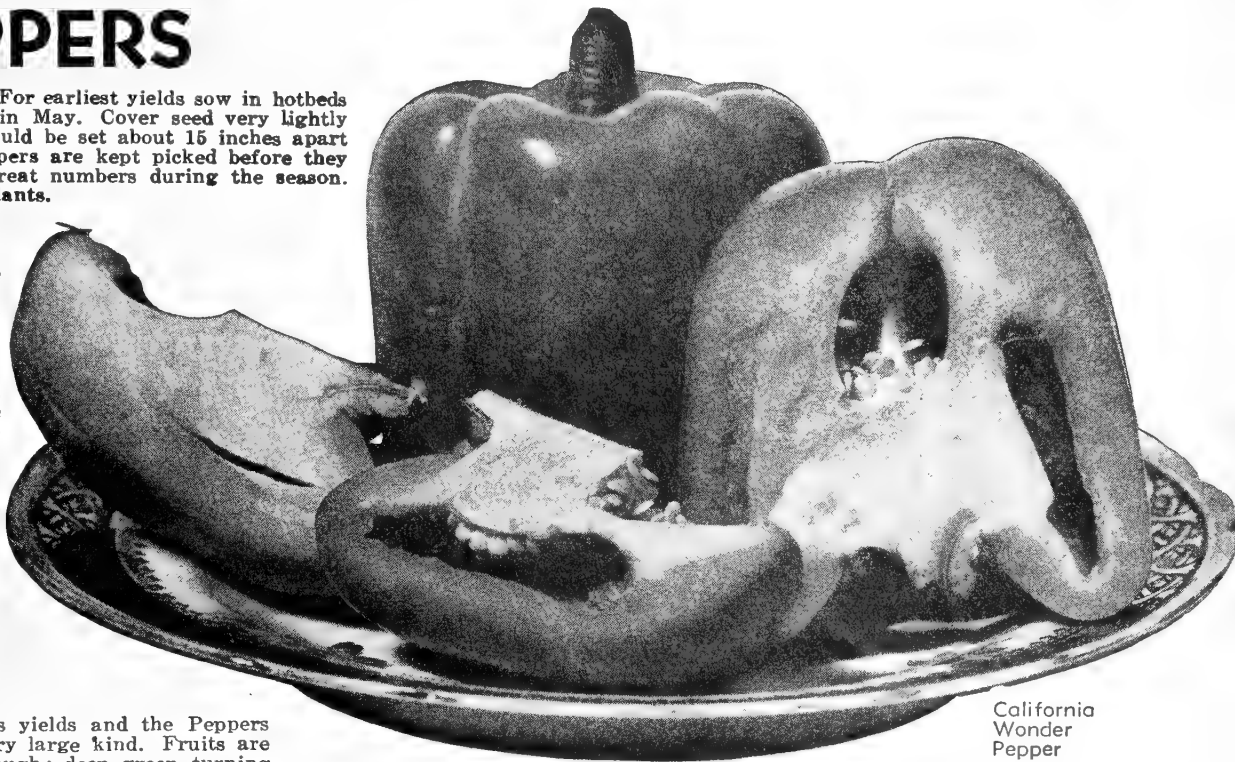
Pkt., 10c; ½ oz., 35c; oz., 60c.

**270 WORLD BEATER.** (70 days.) One of the best of the large varieties of Peppers. Fruit 4-lobed, 5 inches long and 3½ inches in diameter. Flesh thick, mild and very sweet. Rich deep red when ripe. Plants upright and very productive.

Pkt., 10c; ½ oz., 35c; oz., 60c.

### \*HOT VARIETIES

The number of days indicated represent the time required from setting of plants to picking of fruit.



California  
Wonder  
Pepper

**\*271 HUNGARIAN YELLOW WAX.** (60 days.) An early variety that is larger and has thicker flesh than other hot Peppers. The fruits are 5½ to 6½ inches long and about 1½ inches in diameter, crumpled and hooked at the point. The color is waxy yellow when young, changing to orange and then to bright red. Pkt., 15c; ½ oz., 40c; oz., 75c.

**\*272 LONG RED CAYENNE.** (70 days.) A well known medium early sort, having slender, twisted and pointed fruits about 4 inches long. Extremely strong and pungent, hence valuable for seasoning. Generally known as Lady Finger Pepper. Pkt., 10c; ½ oz., 40c; oz., 75c.

**274 GOLDEN DAWN.** (75 days.) A handsome, sweet, mild, yellow variety; fruit pendent, 1½ inches long and about the same in diameter. Pkt., 15c; ½ oz., 40c; oz., 75c.

**\*275 RED CHILI.** (82 days.) Pods about 2 inches in length, one-third to one-half inch in diameter, tapering to a sharp point. Exceedingly pungent, hence valuable for flavoring and for Tabasco Sauce. The small bright red pods are borne in great profusion, making it an ornamental plant for the garden. Pkt., 10c; ½ oz., 40c; oz., 75c.

**276 PIMENTO.** (72 days.) Also known as Perfection. The fruit is of good size, medium length and attractive color. The flesh is thick and solid, mild and of fine flavor. Desirable for salads and stuffed Peppers. The plants are vigorous and upright, about 2 to 2½ feet high, with short, broad, dark green leaves. The fruit is deep green when young, becoming deep red as it matures. Pkt., 10c; ½ oz., 40c; oz., 75c.



## Cobbler Potato Seed Sets

A new, handy, easy-to-plant form; no mess, no waste; no cutting; ready to plant. Packed 100 sets in a wax-coated carton. Treated for disease. Full directions on every package. Each package of 100 seed sets, size 1 inch by 1 inch, equivalent to one peck of seed potatoes. Will plant 1 row 100 feet long.

Price: Per box of 100 sets, \$1.49.

# PUMPKIN

A few hills of Pumpkins should be in every garden. The quality of home-grown Pumpkins is far superior to the canned product. In addition, they make excellent food for stock and can be grown among the sweet corn at practically no extra expense.

**Culture.** Generally planted in corn after the last working and gathered after corn has been shocked. For field crop, plant in May or June in hills 8 feet apart, about 5 to 10 seeds to the hill and cultivate until the vines get strong; then thin out leaving 2 or 3 of the strongest plants in each hill.

One ounce plants 20 hills. Four pounds to the acre.

**280 KING OF THE MAMMOTS or POTIRON.** (120 days.) An enormous flattened variety sometimes attaining 60 to 90 pounds in weight. It is especially desirable for exhibition purposes, and will find ready sale in most large cities at good prices.

Pkt., 10c; oz., 35c; ¼ lb., \$1.10.

**281 JAPANESE PIE.** (110 days.) Resembles the Cushaw Pumpkins in shape, but earlier and larger. Skin dark green, with lighter green stripes. Flesh yellowish orange, fine grained, of good flavor and quality. Weight about 12 pounds.

Pkt., 10c; oz., 30c; ¼ lb., 85c.

**282 TENNESSEE SWEET POTATO.** (110 days.) Medium size, of creamy yellow color with light green stripes. Flesh thick, fine grained, dry, brittle and of excellent flavor. Unsurpassed for pies and custards.

Pkt., 10c; oz., 30c; ¼ lb., 85c.

**283 GREEN STRIPED CUSHAW.** (112 days.) Fruit fairly large with crooked neck. Skin creamy white with green stripes. Flesh yellow, very thick, rather coarse but sweet. A productive and popular sort in most sections.

Pkt., 10c; oz., 25c; ¼ lb., 75c.

**286 SUGAR or NEW ENGLAND PIE.** (108 days.) One of the best for the home garden. An excellent pie sort. Nearly round, 10 to 12 inches in diameter; rich orange color. Flesh thick, fine grained, very sweet.

Pkt., 10c; oz., 25c; ¼ lb., 75c.

**287 CONNECTICUT FIELD.** (118 days.) Used for planting in corn, for stock feeding and also for making pies. Fruits often 15 inches in diameter; smooth, reddish orange, ribbed skin with orange-yellow flesh.

Pkt., 10c; oz., 25c; ¼ lb., 75c.

**288 KENTUCKY FIELD.** (120 days.) Grown generally throughout the central section for stock feeding. Fruits very much flattened, creamy yellow color; flesh orange.

Very productive. Pkt., 10c; oz., 15c; ¼ lb., 30c.

## SAGE

**307 BROAD LEAF.** An ornamental gray-leaved plant with blue flowers. Pick the leaves when half grown, dry, and powder them. An old favorite for flavoring meat and poultry dressings. Sow in the open ground. Thin plants to 6 inches apart. Pkt., 20c; ½ oz., 60c; oz., \$1.00.

FOR OTHER HERBS See Page 3.

## SALSIFY

Often called "Oyster Plant" and is easily grown. A desirable winter vegetable which should be more extensively used throughout the Central States. Roots are palatable and can be served boiled or as fritters.

**Culture**—Sow in April in rows 18 inches apart, thinning out to 4 to 6 inches. Cultivate deeply and often. It is hardy and will remain out all winter, but if desired can be dug before winter and stored in earth or sand to keep it from wilting.

One ounce sows 75 feet. Eight pounds per acre.

**308 MAMMOTH SANDWICH ISLAND.** (150 days.) The best sort, which is much larger and a great improvement over the old-fashioned long sort. Pkt., 15c; ½ oz., 40c; oz., 75c.



Old Dominion Spinach  
Grown by Fred Meyer, Madisonville, Cincinnati, Ohio



New England Pie Pumpkin

# SPINACH

Has long been one of the most popular of all greens and in some sections is grown in enormous quantities. In this locality Spinach is sown broadcast in March or April for early crop and from July to September for fall and winter crop at the rate of about 10 to 15 lbs. per acre. It can also be sown in drills 12 to 15 inches apart and cultivated.

One ounce sows 50 feet of drill. 12 to 15 pounds per acre in drills. 20 pounds per acre broadcast. One-half pound is sufficient for a medium garden.

**309 Bloomsdale Long Standing** (45 days.) Quick-growing hardy spinach extensively planted for home and market use as well as for canning. The glossy green leaves are intensively crinkled and blistered, in addition to being of a very heavy texture. Valuable for spring sowing or planting in the fall. Remains in the rosette stage for a long time without bolting.

Pkt., 10c; oz., 15c; ¼ lb., 40c.

**310 OLD DOMINION.** (40 days.) A Longer Standing Blight-Resistant. It has the large dark green crumpled leaf of the Savoy and stands up longer than other blight-resistant kinds. This variety yields large crops and holds up well when cut. It is a very valuable kind for spring sowing in places where spinach blights.

Pkt., 10c; oz., 15c; ¼ lb., 40c.

**311 BLOOMSDALE RESELECTED.** ((40 days.) A very early sort, especially desirable for fall use. Plant is upright, having glossy, thick, crumpled, pointed, green leaves. A favorite sort for market gardeners and truckers.

Pkt., 10c; oz., 15c; ¼ lb., 40c.

**312 VIRGINIA BLIGHT-RESISTANT SAVOY.** (40 days.) Developed at Virginia Experimental Station for mosaic resistance. Upstanding, vigorous plants, and will stand three or four days longer before bolting. A valuable variety where blight is injurious to spinach plantings.

Pkt., 10c; oz., 15c; ¼ lb., 40c.

**313 NEW ZEALAND.** (55 days.) The Hot Weather Spinach. An especially desirable sort for summer use as it thrives during hot weather when other spinach would fail. It has tender shoots of good quality which may be cut throughout the summer. Plant becomes very large and spreading; leaves small, broad and pointed. Plant 3 to 4 seeds in hills 2 feet apart each way. Germination will be hastened by soaking in warm water 24 hours before planting.

Pkt., 10c; oz., 25c; ¼ lb., 75c.



# RADISH

## Finest Seed Stocks

One ounce sows 75 feet of drill. If broadcast requires 10 pounds per acre. For forcing in frames sow in January or February. Out-of-doors, sow from March to June for early summer crop. For late, sow from July to September. Early sorts mature and are ready for the table in 21 to 30 days from sowing.

**Culture.** Quick growth is essential for tender, crisp Radishes. Hence, rich soil and plenty of moisture are essential. They can be sown at intervals of ten days to two weeks for early use or grown as a catch crop between rows of beets, lettuce, onions, etc.

### Round Varieties

**290 EARLY SCARLET TURNIP, WHITE TIPPED.** (25 days.) One of the handsomest of the turnip varieties and a general favorite in nearly all large markets. It is excellent as a forcing sort or for earliest planting outdoors. Roots nearly round, slightly flattened on under side. Color very deep scarlet with distinctive white tip. Flesh white, of best quality. We strongly advise more extensive planting of this sort in this locality. **Pkt., 10c; oz., 20c; ¼ lb., 60c.**

**291 EARLY WHITE TURNIP.** (25 days.) Similar to Early Scarlet Turnip but little more flattened and slightly earlier maturing. It has very small tops, is of quick growth, suitable for forcing or early planting. Color clear white; flesh crisp and tender. **Pkt., 10c; oz., 25c; ¼ lb., 75c.**

**294 FRENCH BREAKFAST.** (24 days.) A small olive-shaped variety about 1½ inches long, which is very quick growing. Color beautiful deep scarlet shading to white at the tip. Top small. Quick maturing and splendid for very earliest crop. **Pkt., 10c; oz., 20c; ¼ lb., 60c.**

**295 CRIMSON GIANT.** (28 days.) This variety is suitable both for forcing or early planting out-of-doors. A remarkable feature of this Radish is that it will grow double the size of other red forcing Radishes and still remain solid. The ordinary forcing Radish, after growing to the size of 2 inches in circumference becomes pithy, while the Crimson Giant will grow to 6 inches in circumference and still remain solid and juicy.

**Pkt., 10c; oz., 20c; ¼ lb., 60c.**

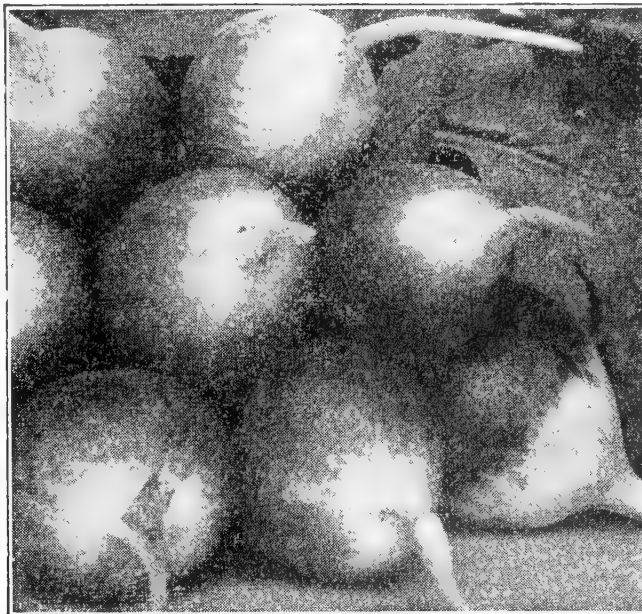
**296 EARLY SCARLET TURNIP.** (25 days.) A well-known sort producing round or oval roots of bright scarlet color. Flesh white, crisp, tender. Tops medium, quick growth; desirable for early planting.

**Pkt., 10c; oz., 20c; ¼ lb., 60c.**

### 297 Early Scarlet Globe

(22 days.) One of the very best and most showy Radishes for earliest forcing or growing outside. Roots are slightly olive shape, rich bright scarlet color; flesh white and tender. It is fit to pull very early and is especially desirable for market gardeners on account of the showy qualities.

**Pkt., 10c; oz., 20c; ¼ lb., 60c.**



Early Scarlet Turnip, White Tipped

### Fall Radishes

**302 LONG BLACK SPANISH.** (55 days.) A favorite late sort, producing long, thick, almost black roots, with white flesh of fine texture. Decidedly pungent but well flavored. Roots are usually 7 to 9 inches long, 2 to 3 inches in diameter, and it is one of the best of the long sorts and especially adapted for winter use.

**Pkt., 10c; oz., 25c; ¼ lb., 75c.**

**303 CHINESE ROSE WINTER.** (50 days.) A popular sort producing cylindrical roots, stub-rooted, blunt at both ends. Is bright, deep rose color shading to white. Skin smooth, flesh white, crisp, tender and pungent. Roots usually 4 to 5 inches long. 1½ to 2 inches in diameter. Splendid for fall and winter.

**Pkt., 10c; oz., 25c; ¼ lb., 75c.**

**304 CHINESE WHITE WINTER (Celestial).** (55 days.) A large, stump-rooted Radish with white skin and flesh. Can be sown from July 1st to August 15th, and will keep in prime condition a long time; mild in flavor, brittle and never woody. Fine for market gardeners.

**Pkt., 10c; oz., 25c; ¼ lb., 75c.**

**305 CALIFORNIA MAMMOTH WHITE WINTER.** (58 days.) A giant fall and winter variety. Roots from 9 to 12 inches long, 2 to 3 inches through, tapering regularly to the tips, smooth and cylindrical in form; skin and flesh white, tender and crisp.

**Pkt., 10c; oz., 25c; ¼ lb., 75c.**

**306 ROUND BLACK SPANISH.** (55 days.) Roots globe-shaped; 3½ to 4 inches in diameter; skin somewhat roughened, black; flesh white, firm, crisp, and pungent.

**Pkt., 10c; oz., 25c; ¼ lb., 75c.**



Long White Icicle Radish



Cincinnati Market

### Long Varieties

#### 298 Cincinnati Market

(27 days.) A popular sort in this section and has long been a favorite with market gardeners. It is brilliant crimson with white slightly tinged flesh, exceedingly sweet and tender. Grows 6 to 7 inches in length, straight and smooth and does not become hollow and pithy until very old. A fine sort for either market or home use.

**Pkt., 10c; oz., 20c; ¼ lb., 60c.**

**299 LONG SCARLET SHORT TOP.** (27 days.) An old standard sort, excellent for home garden or market. Tops short and small. Roots smooth, tender, uniform shape; attractive bright red color.

**Pkt., 10c; oz., 20c; ¼ lb., 60c.**

**300 WHITE ICICLE.** (27 days.) The earliest of the long white varieties which is popular for forcing and earliest outdoor or early summer crop. It is productive and of excellent quality, crisp and tender. Roots are usually 5 to 6 inches long and about ½ inch in diameter with small tops.

**Pkt., 10c; oz., 20c; ¼ lb., 60c.**

**301 WHITE STRASBURG.** (40 days.) A long, white Radish for summer use. Even when small it is fine quality; remains crisp and tender much longer than other varieties. Roots 1½ to 3 inches thick, 5 to 6 inches long, tapering. Tops medium; roots smooth, crystal white; handsome, showy, crisp and tender; desirable for market or family use.

**Pkt., 10c; oz., 25c; ¼ lb., 75c.**

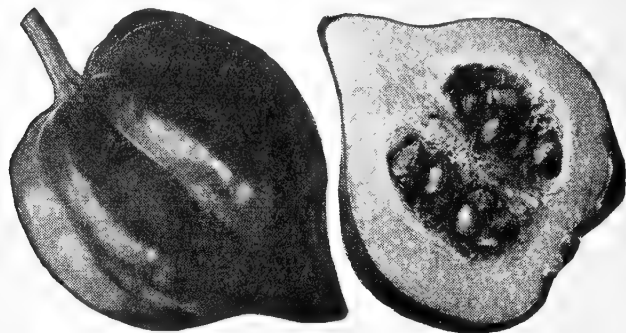


Table Queen Squash

## TOBACCO

**Culture.** The seed is sown from February to April in open beds. Ground must be clean, very finely pulverized, raked fine and smooth. It is customary to burn over the top of the bed by piling brush or litter to destroy weed seeds and add fertility for the young plants. After sowing, beds are protected with thin cotton cloth, similar to cheese-cloth, to protect them from Tobacco flies. About June 1st the plants are set in rich or highly fertilized ground in rows 4 feet apart each way. An ounce sows about 50 square yards, sufficient to set 2 or 3 acres.

**327 KELLY'S IMPROVED TYPE WHITE BURLEY.** A heavy yielder of rich, bright leaf, large, long and broad. It is fast becoming the most popular type of Burley and is largely grown by planters in all Burley sections.  
Pkt., 10c; ½ oz., 35c; oz., 60c.

**328 JUDY'S PRIDE TYPE WHITE BURLEY.** This variety has won great popularity in certain sections of Kentucky and Tennessee, and we think it is a good stand-up Burley. The leaf is broad, long and tapering, with prominent white ribs. The stalk is strong and holds the leaves well up off the ground.  
Pkt., 10c; ½ oz., 35c; oz., 60c.

## TURNIPS

**Culture.** For early use, sow in March or April, either broadcast, or in drills, using preferably Milan or Purple Top Strap Leaf or Globe.

Turnips for main crop are sown from July to September 15th, broadcast 1½ to 2 lbs. per acre. An ounce will sow about 300 feet. Turnips for greens can be sown as late as October 1st, and require 2 lbs. per acre.

**365 EARLY PURPLE TOP MILAN.** (40 days.) Extra early variety which is very sweet and particularly valuable for sowing in early spring. Roots are medium size, plants purple, top flat. Best for private gardens and preferable to grow for early market crop.  
Pkt., 10c; oz., 15c; ¼ lb., 40c.

**366 PURPLE TOP STRAP-LEAVED.** (45 days.) A well known early sort which is largely used in all sections. Our stock is extra choice.  
Pkt., 10c; oz., 15c; ¼ lb., 40c.

**367 PURPLE TOP WHITE GLOBE.** (55 days.) A very superior strain, producing large, smooth roots, which are sweet and tender. One of the best for early or main crop use. Excellent either when young or fully matured.  
Pkt., 10c; oz., 15c; ¼ lb., 40c.

**368 POMERANIAN WHITE GLOBE.** (75 days.) Flesh white, firm and crisp: a very desirable variety.  
Pkt., 10c; oz., 15c; ¼ lb., 40c.

**369 SEVEN TOP, FOR TURNIP GREENS.** (45 days.) Used entirely for greens; popular in the South.  
Pkt., 10c; oz., 15c; ¼ lb., 40c.

## Rutabaga or Swedish Turnips

Rutabagas require longer to mature than the common Turnips and should be sown earlier. To get heavy crops of large Turnips sow the seed June 15 to July 1, in rows 2 to 2½ feet apart. Thin the plants to a foot apart. Rutabagas make excellent winter feed for sheep. For table use, Rutabagas can be sown later and will be of better quality, but not as large as when sown early.

**370 AMERICAN PURPLE TOP.** (90 days.) Our stock of this is extra choice and can be depended on by the most critical growers. Rutabagas, besides being the best food for stock, is the sweetest of all Turnips for table use.  
Pkt., 10c; oz., 15c; ¼ lb., 40c.

## SQUASH

**CALLED CYMLING  
IN THE SOUTH**

Summer Squash, 1 oz. to 30 hills. Winter Squash, 1 oz. to 15 hills; 3 to 4 lbs. per acre.

**Culture.** Plant when the weather has become settled and the ground fairly warm. Bush varieties are planted 3 by 4 feet; running varieties 6 by 8 feet; about 4 to 6 seeds per hill, and thin out later leaving the strongest plants about 3 to the hill. Hills similar to those made for Cucumber with well-rotted manure or fertilizer are best. Winter varieties may be stored in a moderately warm dry place of even temperature.

### Summer Varieties

**314 COCOZELLE GREEN BUSH or ITALIAN VEGETABLE MARROW.** (60 days.) This is a most delicious and fine flavored sort of Squash. The color is a deep green when young, ripening with alternate stripes of green and gold. The shape is long and slender. It is used when 10 to 12 inches long and is boiled or cut in slices and fried in butter. Pkt., 10c; oz., 25c; ¼ lb., 75c.

**315 EARLY PROLIFIC STRAIGHTNECK.** (50 days.) New high-yielding summer Squash, earlier than Giant Summer Straightneck. Plants strictly bush and compact with ample foliage, permitting close planting. Fruits straight, smooth, and of delicate creamy color; firm and usable when only 4 to 5 inches long and until 12 to 14 inches long. Quality unsurpassed. Suitable for home and market garden, and for shipment. Pkt., 10c; oz., 30c; ¼ lb., 90c.

**316 GIANT SUMMER STRAIGHTNECK.** (55 days.) This summer Squash has almost entirely replaced the Crookneck type, in both home and commercial gardens. It differs from Crookneck only in shape; the "neck" instead of being curved is straight and more attractive in appearance and much easier to pack in crates for shipping. The fruit is lemon-yellow in color—about 14 inches long and 3½ inches in diameter. Pkt., 10c; oz., 30c; ¼ lb., 90c.

**317 EARLY YELLOW SUMMER CROOKNECK.** (52 days.) An extensively used summer sort, with bush type of plant, and very prolific. Fruits curved at neck and weigh about 3 pounds. Color is light yellow at early stage and covered with warts.  
Pkt., 10c; oz., 30c; ¼ lb., 90c.

**318 EARLY WHITE BUSH (White Patty Pan).** (54 days.) Squashes are creamy white and scalloped around the edges; milk-white, deliciously flavored flesh. Widely used for stewing or boiling. Pkt., 10c; oz., 30c; ¼ lb., 90c.

**319 MAMMOTH WHITE BUSH.** (58 days.) Color is creamy white with comparatively smooth surface, somewhat flattened and scalloped. Vines are bushy, vigorous and very productive. Pkt., 10c; oz., 30c; ¼ lb., 90c.

### Winter Varieties

**320 TABLE QUEEN or DES MOINES.** (58 days.) Also called Acorn. Trailing in habit, with acorn-shaped fruits, which average about 6 inches long by 4 inches wide, just right to serve one-half to a person. Color dark green, except when over-ripe, when it changes to buff. Flesh is orange color and sweet. Pkt., 10c; oz., 25c; ¼ lb., 85c.

**321 IMPROVED HUBBARD.** (105 days.) One of the best winter Squashes, flesh bright orange-yellow, fine grained, very dry, sweet and richly flavored. Fruit large, pointed at both ends; slightly warted. Skin bronze-green. Excellent keeper. Pkt., 10c; oz., 35c; ¼ lb., \$1.10.

**322 GOLDEN HUBBARD.** (100 days.) Similar to the old Hubbard excepting the skin is of a rich orange-red and heavily warted, flesh of extra fine quality.  
Pkt., 10c; oz., 40c; ¼ lb., \$1.25.

**323 WARTED HUBBARD.** (105 days.) Similar in fruit and shape to Hubbard except that the surface is very much warted. Very handsome in appearance and of extra quality. Pkt., 10c; oz., 35c; ¼ lb., \$1.10.

**324 BLUE HUBBARD.** (120 days.) The fruits are an attractive blue-gray color, larger than the True Hubbard. The shell is rough and very hard, so keeping qualities are good. The flesh is bright yellow-orange, fine grained, dry and exceptionally sweet. Squashes grow 15 to 18 inches long and 9 to 12 inches across; average weight 15 lbs. each.  
Pkt., 10c; oz., 35c; ¼ lb., \$1.10.

**325 BANANA.** (105 days.) Excellent winter Squash. Fruit 18 to 24 inches long and about 7 inches in diameter. Skin gray-blue, not so hard as that of the Hubbards. Flesh deep yellow, fine grained, dry, sweet.  
Pkt., 10c; oz., 40c; ¼ lb., \$1.20.

**326 VEGETABLE SPAGHETTI or GOLDEN MACARONI.** (60 days.) Like any Squash, the fruits are set on vining plants. The Vegetable Spaghetti is light golden color and measures about 10 inches long and 5 inches in diameter. A good keeper and can be used as required. Cook whole and cut open. The flesh is in loose shreds, and is very tasty.  
Pkt., 15c; oz., 45c.

## TAMPALA

**TAMPALA** (Tam-pal-a). A delicious green vegetable, the leaves of which are cooked and served like Spinach. It does well in hot weather. Ready to eat in 6 to 8 weeks after sowing seed. Plants 1½ feet across, 2 feet high.  
Pkt., 15c; ½ oz., 50c; ¼ oz., 90c.

**SWISS CHARD** SEE UNDER TABLE BEETS,  
PAGE 34.



# TOMATO

**Culture.** For earliest crop, sow in a hotbed or shallow boxes in February or March, transplanting when 2 or 3 inches high to small pots, trays or cold frames. When danger of frost is past (usually in this climate the 1st to 10th of May), set in open ground 3x4 feet apart. Tomatoes should be staked to keep the fruit from the ground and it will also help to prevent blight, mildew, and make them more prolific.

One ounce produces about 2,000 plants; 2 ounces produce enough plants to set one acre. For early crops sow in February; for late crops sow in open bed in April or May.

The number of days indicated represent the time required from setting of plants to picking of fruit.

## Disease-Resistant Varieties

**329 Rutgers** (73 days.) A recent introduction by the New Jersey Experiment Station which has deservedly achieved general popularity. The fruit is large, globe-shaped, deep red, small seed cavities, and heavy cross walls. Ripens from the interior outwards. One of the finest grown and we recommend it highly.  
Pkt., 10c; ½ oz., 35c; oz., 60c.

**330 BREAK O' DAY.** (68 days.) The round, smooth fruit matures early. Color deep orange-red, very solid, and of high quality. Resistant to blight and bears abundantly.  
Pkt., 15c; ½ oz., 50c; oz., 90c.

**331 MARGLOBE.** (75 days.) A main crop, blight-resistant variety. Fruits are large, globe-shaped, smooth, color perfectly all over, and are deep red all through. It will stand longer after it becomes flushed than any other variety of Tomato. Resistant to Fusarium wilt and nail-head rust.  
Pkt., 10c; ½ oz., 35c; oz., 60c.

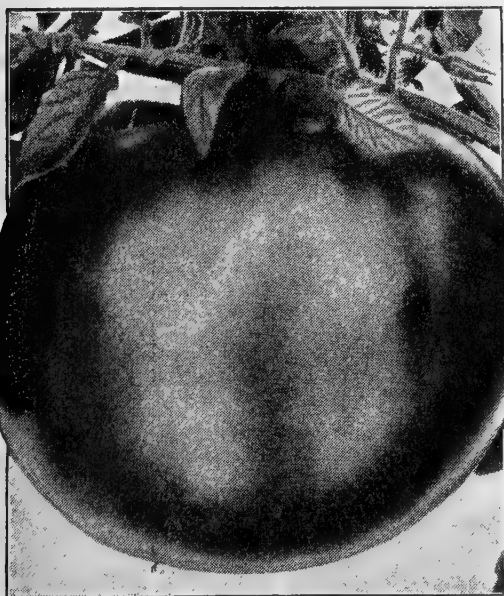
**332 PRITCHARD or SCARLET TOPPER.** (75 days.) This is one of the finest Tomatoes ever grown. The fruits are medium to large, round, flesh is thick, firm, and with small seed cavity. Brilliant red in color and have been resistant to cracking. Excellent home and market variety.  
Pkt., 10c; ½ oz., 35c; oz., 60c.

## Early Varieties

**335 BONNY BEST.** (70 days.) The fruits of this desirable early sort are most attractive in shape and color. The crop ripens more uniformly than any other early scarlet fruited sort. The vines are vigorous and produce a good crop of exceptionally round and deep fruits, bright deep scarlet in color and of very good quality.  
Pkt., 10c; ½ oz., 35c; oz., 60c.

**336 CHALK'S EARLY JEWEL.** (70 days.) A particularly desirable sort with purplish scarlet fruit, nearly round, smooth, of large size and of most excellent quality. Fruit ripens early and is not inclined to crack, and pickings are extended over a long season.  
Pkt., 10c; ½ oz., 35c; oz., 60c.

**337 EARLIANA.** (64 days.) A deep scarlet, very early variety. Fruit is borne in clusters, is medium to large, nearly round, and exceptionally smooth for so early a variety. On account of its extreme earliness and the fact that the crop ripens uniformly and very early, it is one of the most valuable of the early sorts.  
Pkt., 15c; ½ oz., 50c; oz., 95c.



Marglobe Tomato

**338 JOHN BAER.** (70 days.) Similar in every respect to Bonny Best, but often a few days earlier. Fruits bright deep scarlet-red; medium large; flattened globe-shaped; smooth and firm.  
Pkt., 10c; ½ oz., 35c; oz., 60c.

**339 VALIANT.** (63 days.) For description, see novelty page 4.  
Pkt., 15c; ½ oz., 60c; oz., \$1.00.

## Second Early and Main Crop

**345 STOKESDALE.** (73 days.) For description, see novelty page 4.  
Pkt., 15c; ½ oz., 40c; oz., 70c.

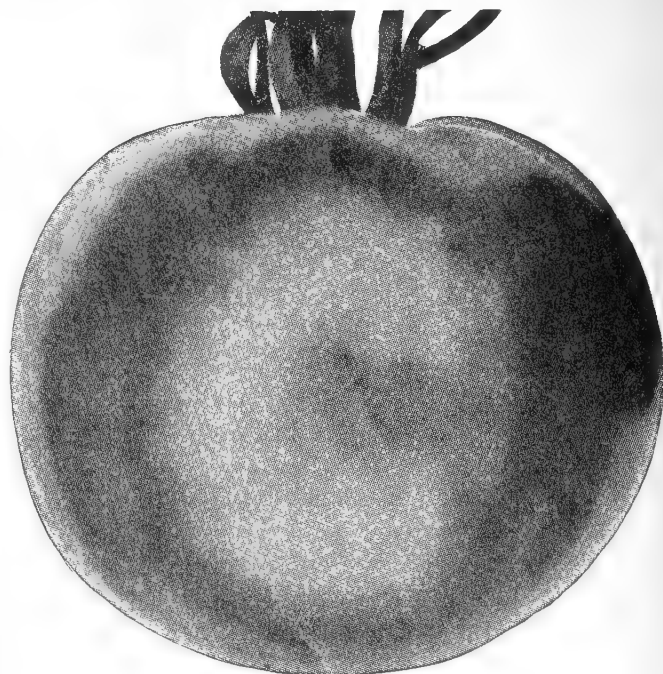
**346 CINCINNATI PURPLE.** (81 days.) A favorite sort in this locality and one of the very best for home use. It is very round, smooth, solid and of splendid flavor. Vines are vigorous and remarkably productive. Fruits of large size, very meaty; have small seed cells and are of rich flavor.  
Pkt., 15c; ½ oz., 55c; oz., \$1.00.

**347 CRIMSON CUSHION or BEEF-STEAK.** (90 days.) Is very large, round and regular; bright scarlet skin, solid flesh of best quality, seed cells small. Plants are very prolific and of fine appearance.  
Pkt., 15c; ½ oz., 70c; oz., \$1.20.

**348 GREATER BALTIMORE.** (78 days.) A heavy, thick-meated, midseason, scarlet-red variety. Large, smooth and solid. Ripens evenly.  
Pkt., 10c; ½ oz., 30c; oz., 50c.

**349 OXHEART.** (90 days.) Because of its oxheart shape, large size, as well as excellent table qualities, it has quickly come into general favor. The skin is pink and the flesh frequently shows 2 inches thick, without a seed cavity. The flavor has that delicious Tomato quality that every lover of this fruit knows so well.

**350 PONDEROSA.** (85 days.) One of the largest and finest varieties for home use. It is purplish pink in color. Vines vigorous, tall, fairly productive. Fruits are very solid and have exceptionally few seeds. It is fairly smooth for so large a variety and sometimes attains such a size that one slice will cover a dinner plate. Very free from acid, has few seeds, is of delicious flavor and most excellent for slicing; ripens about midseason. Most desirable for home use, and the large showy handsome fruits are popular sellers for fancy fruit stands.  
Pkt., 20c; ½ oz., 70c; oz., \$1.25.



Pritchard or Scarlet Topper Tomato

**351 STONE.** (85 days.) One of the very best Tomatoes, producing large, very smooth, solid fruit, slightly flattened, deep red color. It is very popular with all market growers and especially desired by canners. Ripens mid-season. On account of its large yield and general uniformity in production we strongly recommend it for both market gardens and home use.  
Pkt., 10c; ½ oz., 25c; oz., 40c.

**352 TRUCKERS FAVORITE.** (83 days.) A large, deep purple variety, producing uniform size fruit. It is somewhat deeper color than Beauty; fruit being more globe-shaped, largely used for main crop, producing fine yields of large, smooth, solid fruits which command best prices—hence very popular with truckers and market gardeners.  
Pkt., 15c; ½ oz., 50c; oz., 90c.

## Yellow Tomatoes

**353 GOLDEN QUEEN.** (82 days.) A large growing variety bearing abundantly. Fruits are golden yellow color, smooth, well shaped and desirable for slicing as a contrast with red varieties on the table.  
Pkt., 10c; ½ oz., 50c; oz., 90c.

**354 YELLOW PONDEROSA.** (86 days.) A large, mild-flavored variety. Strongly resistant to wilt. Fruits very large, golden yellow, quite solid, with small seed cells.  
Pkt., 15c; ½ oz., 70c; oz., \$1.20.

**355 Jubilee** (72 days.) Fruits are bright golden orange, deep globe-shaped, weigh about 6 ounces; the orange colored interior is modern, thick-walled, with few seeds and most attractive when sliced. The juice is rich, orange colored, full flavored and really delicious. Very high in Vitamins A and C. The plants bear over a long season.  
Pkt., 15c; ½ oz., 70c; oz., \$1.20.

## Small Fruited Tomatoes

For preserves, pickles and decorative purposes.

**356 RED PLUM.** (75 days.) Pkt., 15c.

**357 RED CHERRY.** (75 days.) Fruits small, round, rich deep red. Pkt., 15c.

**358 RED PEAR.** (75 days.) Pear shape; about 2 inches long. Pkt., 15c.

**359 YELLOW PEAR.** (75 days.) Pear shape, about 2 inches long. Pkt., 15c.

**360 YELLOW PLUM.** (75 days.) Fruits oval; about 2 inches long; clear deep yellow. Pkt., 15c.

## Tomato Plants

Leading varieties in season. We do not send these plants by mail.

## Agricultural Seeds

Prices on all Field Seeds are subject to fluctuations. We will be glad to quote you firm prices on request. Orders entrusted to us will be filled at the lowest price on day received.



### ACME Brand FARM SEEDS Tested for Your Protection

Ask for SPECIAL descriptive CIRCULAR on items marked with ★.



Look for this emblem, and the red, white, and blue tag attached to the bag, denoting United States Verified Origin Red Clover and Alfalfa. We issue these certificates under United States Department of Agriculture supervision.

This is for your protection. You should know where the seed you buy is grown.

★ **LESPEDEZA**, Korean is an annual legume, and under favorable conditions will reseed itself. It is best adapted to thin or acid soils. 15 to 25 pounds usually sown per acre from February to April 15th. **Sericea** is a perennial Lespedeza. Scarified seed can be sown at the rate of 4 to 5 pounds per acre in spring after danger of frost and as late as April 15th.

★ **RED CLOVER** (*Trifolium pratense*). Too well known to need extended description. Best sown in the spring, and requires 8 to 12 lbs. per acre alone or 5 to 6 lbs. per acre if in mixture with grasses.

★ **MAMMOTH OR SAPLING CLOVER**. Similar to Red Clover but of larger growth and blooms three weeks later, hence more valuable for sowing with Timothy. It also forms better aftermath than Red Clover. Requires same quantity of seed as Red Clover per acre.

★ **ALSIKE CLOVER** (*Trifolium hybridum*). One of the best Clovers for sowing with Timothy, as they mature at the same time. Blossoms flesh color. It is very hardy and will do well on thin or poorly drained soils, making very satisfactory pasturage. It is also valuable for hay. If sown alone requires 4 to 6 lbs. per acre or in mixture 2 to 3 lbs. per acre.

★ **CRIMSON CLOVER** (*Trifolium incarnatum*). An annual for turning under as a green manure crop or as a winter cover crop sown in July or August, also early spring at rate of 15 to 20 lbs. per acre. It should be cut just before bloom stage for hay.

★ **LADINO CLOVER**. A mammoth perennial type of White Clover. Shallow but vigorous roots with large leaves on sturdy stems. Valuable for pasture on dairy farms, and is widely used for enriching a mixture of other grasses. Sow 3 to 5 lbs. per acre.

★ **WILD WHITE CLOVER**. Long used in England in permanent pastures. More leaf and less blossoms than ordinary White Dutch Clover. Very hardy and highly recommended in pasture mixtures. Sow 1 to 2 lbs. per acre in mixtures.

★ **BIRDSFOOT TREFOIL**. A low growing perennial used in pastures. Starts slowly but lasts longer through the season. Thrives on ground too poor for Alfalfa.

★ **SMOOTH BROME GRASS**. A tall perennial, does well on loose, dry soil. Used with Alfalfa to produce hay and pasture during hot, dry seasons. Sow 15 to 20 lbs. per acre.

★ **REED CANARY GRASS**. An excellent hay crop for moist or swampy land. Sow 6 to 8 lbs. per acre with 2 lbs. Alsike to insure uniform stand.

**SWEET CLOVER**. Valuable for use on poorer soils both as a crop and for improving the soil.

**Tall Growing Type**. Planted in the spring makes good growth by fall and lasts 2 years. Will reseed itself if left standing.

**Yellow Blossom Type**. Is also biennial. Grows 2 to 3 feet the first year, 4 to 5 feet the second. Finer stems, better for hay and pasture.

Sow 10 to 12 lbs. per acre **Hulled and Scarified Seed** in fall or spring after frost danger. Sow 20 lbs. per acre **Unhulled Seed** during the winter months or in the fall with Winter Wheat.

**ALFALFA**. Every farm should have a field of this crop. It has a higher feeding value than any other hay. Alfalfa can be sown in many different mixtures. It is sown alone at the rate of 12 to 15 lbs. per acre. Write us about rate of seeding, and other recommendations. In addition to spring seeding, when sown alone, it can be sown successfully in July and August in various special mixtures.

Alfalfa should be sown on a well-prepared seed bed. Adequate liming is necessary, and proper amount should be determined by a soil test. It is also very important that seed be inoculated.

**Common Alfalfa**. Has a purple bloom and tends to develop a single deep tap root system. It is generally found to produce more hay than the Grimm type, except when winter killing takes place.

**Grimm Alfalfa**. Has a variegated bloom and is characterized by a tendency toward a multiple root system. For this reason it is understood to be hardier than the Common type.

Inoculate all Legume Seeds with

## NITRAGIN

1898 — Nearly A Half Century of Service — 1946

When ordering, Always state name of seed.

### ALFALFA

Swt., Bur. Hubam Clovers	Retail
Size	
1 bu. each...	\$ .50
2½ bu. each...	1.00

### CLOVERS

Medium & Mammoth Red, Alsike, Crimson & White Clovers	
1 bu. each...	\$ .50
2½ bu. each...	1.00

### LESPEDEZA

100 lb. size (Inoculates up to 100 lbs.)	..\$ .50
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### PEAS (All Varieties)

### VETCHES (All Varieties)

100 lb. size (Inoculates up to 100 lbs.)	ea. \$ .50
1200 lb. size ea.	5.70
(12-100 lb. cans)	

### LUPINES (All Varieties)

100 lb. size (Inoculates up to 100 lbs. seed)	ea. \$ .50
---	------------

**GARDEN SIZE**—Peas, Beans, Sweet Peas, Lupines, Lima Beans and Edible Soybeans  
Enough for 8 lbs. seed — Retail Price 10c each

### SOYBEANS

Size	Retail
Small, (Inoculates up to 120 lbs. seed)	\$ .30
5 bu. each.....	.55
25 bu. each.....	2.50
(One can)	
30 bu. each.....	3.25
(6-5 bu. cans)	

**BEANS** — Navy, Pinto, Wax, String, Kidney and Great Northern  
1 bu. each .....\$ .35

### PEANUTS, LIMA BEANS, COW PEAS

Small, (Inoculates up to 120 lbs. seed)	\$ .30
5 bu. each.....	.55
25 bu. each.....	2.50
(One can)	
30 bu. each.....	3.25
(6-5 bu. cans)	



## AGRICULTURAL SEEDS — Continued

**OATS, Northern White, Victory Type, Vicland and Fulghum.** Our Oats are carefully selected and well re-cleaned. Do not confuse them with ordinary feed oats. Sow  $1\frac{1}{2}$  to  $2\frac{1}{2}$  bus. per acre.

**OATS, Winter Turf Oats.** For fall and spring sowing. 4 to 5 ft. high; straw is very palatable for stock.  $1\frac{1}{2}$  to 2 bus. per acre.

**VETCH, Hairy or Sand** (*Vicia villosa*). Winter annual, adapted to sandy soil and will do much to build up any soil especially when inoculated. Withstands cold weather. Should be sown from late August to middle of September at rate of 15 to 25 lbs. per acre. Can be sown with rye.

**Spring Vetch** (*Vicia sativa*). Used with oats for producing spring hay.

**CANADA FIELD PEAS.** Grown with oats will make a fodder or hay which doubles the production of milk. Should be sown in March or early April, 90 pounds of peas to two bushels of oats to the acre. The Peas should be sown first and plowed under about 4 inches deep; the oats then sowed and harrowed in. They will be ready for cutting about the end of June, when oats are in milk and the pods formed on Peas. Write for prices.

**SUNFLOWER, Mammoth Russian.** The best variety for the farmer. Drill in seed at about 8 to 10 lbs. to acre. It is much relished by poultry and horses. Current prices on request.

**BROOM CORN.** We carry varieties that are known to produce the finest quality straw, and command the highest prices. Sow 4 to 5 lbs. per acre in drills, rows 3 feet apart. Thin out the stalks to about 70 to the rod. Cultivate same as corn. Cut when seed is in the milk.

**MILLET, True Tennessee Cultivated.** (Round Seed). This Millet withstands drought better than all other varieties. It is used as a summer hay crop and particularly adapted to rich or bottom soils. It should be sown thickly and cut when the heads are in bloom, never allowing it to get old or seed to form as this causes a great drain on the soil besides materially injuring the quality of hay. Very useful for cleaning rich, foul lands of weeds as its quick, abundant, luxuriant growth smothers most weeds. Sow one bushel per acre in May, June, or July. Two crops can be seeded on the same land in one season, if desired.

**MILLET, Home Grown.** Produces a large head. A very desirable feature is its earliness; the foliage is also very heavy and the leaves broad. It produces an immense amount of excellent fodder which cures very readily.

**HUNGARIAN.** Specially adapted to rich or alluvial soil. It makes a finer quality of hay than Millet on very rich soil as it does not grow so coarse. Cut at the right time, which is in bloom, and cured properly, it makes a nutritious hay; is especially popular with dairymen. Sow from three-fourths to one bushel per acre in May, June or July.

**BUCKWHEAT.** A splendid crop for poor land. Largely used for bees. Sow in June, July or August at rate of three-fourths to one bushel per acre broadcast, covering with a smoothing harrow. It does not mature grain until the cool nights—hence, too early sowing is not desirable.

**KAFFIR CORN.** Foliage and stalks do not contain saccharine matter, hence are not so valuable for feeding, but the enormous yield of grain makes it very profitable. The grain is very largely used for poultry and stock feeding, containing a high percentage of starch.

**SOY BEANS** are today a leading crop, valuable not only as a grain for milling, but for hay and forage. They are also excellent for soil improvement when plowed under as a green manure crop. Inoculation of soy beans is beneficial regardless of purpose of crop. Sow  $1\frac{1}{2}$  bus. per acre drilled solid or 45 lbs. in rows for cultivation. The following varieties are some of the best for this section. Write for variety descriptions and current prices. **Best for Hay Crop:** Wilson Black, Kingwa, and Virginia Broom. **Yellow Varieties:** Lincoln, Richland, Scioto, Dunfield, Mingo, Chief, and Illini.

**COWPEAS—The Great Soil Improving Crop.** Grow best on light or sandy soils. Have a high feeding value. Belonging to the bean family, they are nitrogen gathering plants and if inoculated will improve the productivity of the soil. We carry the following varieties: **New Eras, Whippoorwill, and Mixed Varieties.** Sow  $1\frac{1}{2}$  bus. per acre after danger of frost. Use Nitr.agin Inoculator.

**RYE, Northern, Rosen, and Balbo.** Our Rye is carefully selected stock, or well re-cleaned and tested. Do not confuse it with ordinary milling Rye.

**BARLEY** needs a rich land and lighter than that adapted to wheat. It should be cut before fully ripe, if for hay, as it is then of better quality, and less liable to shell. Sow  $1\frac{1}{2}$  to 2 bushels if drilled; 2 to  $2\frac{1}{2}$  bushels broadcast. (48 lbs. per bu.) We usually carry the following spring varieties:

**BARLEY, Oderbrucker Bearded.** Yields heavily and most commonly used in this section.

**BARLEY, Spartan Bearded.** But has smooth barbless beards.

**BARLEY, Velvet or Barbless.** A bearded variety.

Also for fall sowing we offer:

**BARLEY, Winter or Fall Bearded.** Very desirable in this area because of its yield and quality.

**WHEAT, Trumbull, Fulhio, Thorne.**

**DWARF ESSEX RAPE.** Makes excellent pasture for both sheep and hogs, and is a fine conditioner for all livestock, except milk cows. Best results are obtained by planting in two separate fields; pasturing alternately ten days each. Plant any time, early spring to midsummer. Sow 3 pounds per acre in drills; 6 pounds broadcast.

**SUDAN GRASS.** Sudan Grass produces an immense yield of nutritious hay. It can be cut twice in a season if planted early in the season but after frost danger. Grows 3 to 5 feet high. It is adapted to growing in all kinds of soil but produces the largest yield in warm, temperate latitude. After first cutting it stools enormously and then furnishes exceptionally fine pasture for all stock, except milk cows. It is killed by the first frost. Eight to twelve pounds in drills,  $2\frac{1}{2}$  to 3 feet apart or broadcast 20 to 30 pounds per acre.

**CANE SEED.** Sorghum and fodder types. Amber and Orange are favorite in this section.

**ATLAS SORGO.** A forage and grain crop, outstanding for its heavy yield. Has a juicy, sweet, leafy stalk, which grows 7 to 10 feet and requires 120 to 130 days to mature. Usually sown 5 to 10 pounds to acre.

### McCULLOUGH'S BUCKEYE BRAND

### Open Pollinated Field Corn

#### WHITE VARIETIES

**Boone Co. and Johnson Co. White Dent.** Two popular varieties. Large tapering ears, deep kernels slightly dented; medium late maturing.

**Hickory King.** Yields 2 to 3 ears a stalk; large flat grains on small cob. Extensively used for green table corn or roasting ears, also for early ensilage.

**Virginia Ensilage.** One of the best silage varieties, yielding record tonnage; late maturing.

**Red Cob White Ensilage.** A very popular variety; excellent for silage or green fodder.

#### YELLOW VARIETIES

**Woodburn Yellow Dent.** An early maturing favorite. Medium sized well-filled ears; deep grains, small cob, exceptional yield.

**Leaming.** An ideal feeding variety. Medium late maturing, large tapering ears, 16 to 22 rows on red cob.

**Reid's Yellow Dent.** A very popular heavy yielder, late maturity, long well-filled ears even under adverse conditions.

**Yellow Clarage.** Medium early maturity. Produces a well-filled medium-sized ear.

FOR HIGHER YIELDS TREAT WITH SEMESAN JR.

### McCullough's Buckeye Brand Field Corn

McCullough's Buckeye Brand Field Corn is carefully selected, tested and graded. Ask for current prices, stating variety in which you are interested.

#### McCULLOUGH'S BUCKEYE BRAND

### Certified Hybrids

For central states area:

Iowa 929  
Indiana 608  
Ohio C38

Indiana 644  
U.S. 13  
Indiana 813

U.S. 44  
Kentucky 102  
White Ky. 203

★Write for our complete 1946 descriptive circular.

From planting time, blooms appear in 70 to 80 days for early varieties.

# GLADIOLUS

"EVERYBODY'S ORCHID"

Not less than 6 bulbs at the dozen rate, or 25 at the 100 rate.

## Blue Shades

**BLUE BEAUTY.** Light blue shading darker towards the edge. Large wide open round flowers. A stronger grower than most blues. Per doz., 75c; per 100, \$5.50.

**KING LEAR.** Very early. Clear deep reddish purple with silver line on edge of all petals. Very large, heavily waved and ruffled. 5 to 6 open. The most beautiful and best all round purple. In a class by itself. Per doz., 75c; per 100, \$5.50.

**MINUET.** Beautiful light pinkish lavender. Opens 5 to 6 well placed blooms on a medium height plant. This variety has been the standard commercial lavender for many years and is still going strong. Per doz., 75c; per 100, \$5.50.

**PELEGRINA.** For a really dark purple-blue, here it is. A long time favorite, still hard to beat among the darker shades. Good spike. Per doz., 75c; per 100, \$5.50.

**SO BIG.** Large, deep lavender-rose-pink with violet feather on the lip. Opens six well placed blooms; strong, husky plant. This can be very fine. Good cut flower. Per doz., 75c; per 100, \$5.50.

## Bicolors

**BEACON.** Clear bright rose-scarlet with large cream blotch. 8 to 10 medium large ruffled blooms open on a very tall straight though willowy spike. One of the most popular cut flower varieties. Per doz., 80c; per 100, \$6.00.

**CAMELLIA.** Blush-white, tinted pink, with small vivid orange-scarlet blotch on cream ground. 6 to 7 large well-placed blooms open on a tall straight spike of 20 buds. Beautiful. Per doz., 75c; per 100, \$5.50.

**CORONA.** Creamy white shading more creamy toward the throat with a rose picotee edge on all petals. Very distinctive and beautiful variety. Popular with the ladies. Opens 6 to 8 wide open blooms on a head of 16 to 18 buds. Tall, strong, husky grower. It is the Glad of most any year and should certainly be in any list of ten best. Becoming very popular as a cut flower and fine for exhibition also. Heavy propagator. Per doz., 95c; per 100, \$6.50.

**MARGARET BEATON.** Pure snow-white with small orange-scarlet blotch in the throat. Six or more large well-placed blooms open on a long flower head. Strong grower and good propagator. This variety is very beautiful and has created a sensation everywhere it has been shown. It looks like a real prospect in the commercial class and for the home garden it is a necessity. Per doz., 80c; per 100, \$6.00.

## Orange

**BARCAROLLE.** Deep, rich, clear, live and vivid grenadine orange. No markings. Six to seven large ruffled blooms of heavy substance open on a medium height spike of 18 buds. Per doz., 75c; per 100, \$5.50.

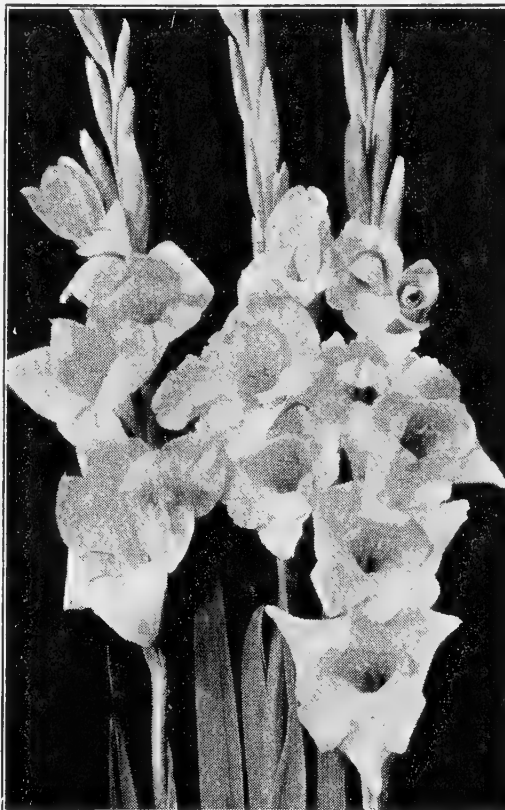
## Pink Shades

**DEBONAIR.** La-France-pink to shrimp-pink in throat with creamy throat mark. The tall, strong, always straight spike carries six to eight large open flowers. Per doz., 75c; per 100, \$5.50.

**CARILLON.** Clear light rose of a distinct shade with a creamy throat blotch. 6 to 8 medium large, wide open blooms on a tall spike. Very beautiful cut flower variety. Per doz., 75c; per 100, \$5.50.

**ETHEL CAVE-COLE.** Pure light pink, sometimes flecked. Very strong, husky grower. Makes a large spike with 9 to 10 large, well placed blooms on a head of 20 to 24 buds. Good for exhibition, commercial or home garden. Per doz., 80c; per 100, \$6.00.

**ROSA VAN LIMA.** Large formal. Early season. Light rose with few darker lines in the throat. Eight or more large well-placed blooms on a tall, strong spike. A fine commercial variety. Grand for exhibition. Per doz., 80c; per 100, \$6.00.



## Red Shades

**MASTER MYRON.** A giant light red with much substance and class. A huge erect spike of 4-inch diameter flowers. For exhibition it is hard to surpass. A gladiolus that meets all the requirements. Per doz., 80c; per 100, \$6.00.

**ALGONQUIN.** Brilliant glowing scarlet. Opens 8 to 10 large, wide open, ruffled, needle-point blooms on a tall, straight spike. This is a fine scarlet. A wonderful exhibition and commercial variety and a beautiful color. Per doz., 80c; per 100, \$6.00.

**REGENT.** Clear glowing scarlet with somewhat darker blotch. Opens 9 to 10 large, well placed blooms on a long head. One of the very best scarlets. Per doz., 75c; per 100, \$5.50.

## Salmon

**ALADDIN.** Bright beautiful reddish salmon with large cream blotch. Eight to ten very large beautifully ruffled blooms open on a long head. Plants very strong and robust. Medium height or taller. Aladdin has created a sensation wherever shown and has won the sweepstakes at various shows. When well grown is one of the finest varieties of all time. Many people consider it superior to Picardy. Per doz., 80c; per 100, \$6.00.

**CHAMOUNY.** A distinct shade of cerise-rose with a silver line on the edge of all petals. Opens 10 to 12 blooms on a long head. Not a large flower but one of the most beautiful and finest pinks. They are all beautiful and the tall ones are especially fine. It is well worth trying. Per doz., 80c; per 100, \$6.00.

**GLAMIS.** Very beautiful clear salmon-rose with cream lip. Opens six or more large, wide open, ruffled, fluted and needle-point blooms on a plant 4 to 4½ feet tall. Considered by many as one of the finest pinks in existence. A very beautiful Glad; simply gorgeous. Per doz., \$1.25; per 100, \$9.75.

**PICARDY.** Truly immense spikes carry as many as 8 huge open flowers. Color is rich salmon-pink. A sensational glad. Per doz., 75c; per 100, \$5.50.

**SENSATION.** Bright but soft rose-salmon shading lighter in the upper throat with a very pretty darker feather on the lip. 6 to 9 heavily ruffled, massive blooms on a long flower head. Very tall, strong massive plant. A really outstanding variety. Per doz., 90c; per 100, \$6.25.

## Smoky

**BAGDAD.** Smoky old rose shading somewhat darker toward the edge and lighter in the throat. Smooth clear color. Six to eight immense blooms open at a time. Blooms often 6 inches or more across. Fine propagator. Per doz., 75c; per 100, \$5.50.

## White

**MAID OF ORLEANS.** Beautiful milky white with cream throat. Tall sturdy grower with eight or more well-placed flowers open at a time. Per doz., 75c; per 100, \$5.50.

**MYRNA.** Heavily ruffled ivory-white. Opens many well placed heavily ruffled blooms at a time. A fine exhibition variety. Very popular. Per doz., 75c; per 100, \$5.50.

**SNOW PRINCESS.** A fine white. Great commercial value. This variety is vigorous and produces excellent spikes with three or more blooms open at one time. Per doz., 80c; per 100, \$6.00.

**SURFSIDE.** A ruffled creamy white. Fine placement of blooms. Good strong spikes of flowers with ruffling which enhances its beauty. Should be in every garden. Per doz., 80c; per 100, \$6.00.

**VREDENBURG.** Early. Large new white that seems to be a great improvement in the early whites. Good propagator. Looks like a real comer as a commercial. Everyone should try Vredenburg. Per doz., 75c; per 100, \$5.50.

## Yellow

**GOLDEN DREAM.** Tall spike of clear yellow blooms. The edge of the petals is gracefully rolled back. Per doz., 75c; per 100, \$5.50.

**HARVEST MOON.** Large clear medium yellow, shading somewhat deeper toward the center. Tall, straight spikes with 8 to 10 blooms open on a spike of 20 or more buds. Placement not always good, but one of the best all-around yellows. The largest good yellow. Per doz., 75c; per 100, \$5.50.

**JONQUIL.** Very deep clear yellow. Opens up to 8 medium sized blooms on a tall, straight, slender spike. The best early cut flower yellow. Per doz., 75c; per 100, \$5.50.

**LADY JANE.** Clear cream-yellow with yellow lip petals which gives the flower the appearance of yellow. Opens 6 to 8 large, slightly ruffled blooms which are always well placed and of fine texture. Per doz., 90c; per 100, \$6.25.

**WHITE GOLD.** Very large, clear light cream shading to a golden throat. 4 to 6 huge, well placed blooms open on a long head. Tall and very vigorous and a good propagator. Can be grown to produce amazing spikes of bloom. One of the best of the creams. Per doz., \$1.50; per 100, \$12.00.

**McCULLOUGH SUPER MIXTURE.** Large size bulbs. Brilliant colors and shades. Per doz., 60c; per 100, \$4.50.



**CULTURAL HINTS**

Flow or spade your soil deep.  
Use a balanced fertilizer.  
Plant 4 to 6 inches deep, 3 feet apart  
for miniature varieties, and 4 feet for  
larger varieties.  
Regular cultivation is essential.

**Cactus**

**BALLEGO SURPRISE.** One of the finest  
formed white Dahlias. Splendid long stems.  
Easily grown and one that will show with the  
best. Good root maker. **Root, \$1.25.**

**HILLSIDE GOLD.** A very beautiful golden  
yellow, with apricot suffusion early in the  
season. This is one of the most dependable  
Dahlias we know, since it blooms very early  
and continues faithfully all summer and up  
till frost. **Root, 75c.**

**NANCY ANN MITCHELL.** Vivid scarlet.  
Perfect formation and stems have made this  
a consistent winner for the past two years.  
Bush growth satisfactory and very prolific.  
**Root, \$1.25.**

**YELLOW GLORY.** Color clear lemon-yel-  
low. Big, strong bushes 5 feet high. Perfectly  
formed flowers that have fine substance. This  
dahlia grows well anywhere. **Root, \$1.00.**

**Semi-Cactus**

**ALL AMERICAN.** A giant rose bloom with  
a flush of light orange at base of the petals.  
A vigorous, free-branching grower, one of the  
best of exhibition dahlias. We can recom-  
mend this very highly to all dahlia growers.  
Outstanding. **Root, \$1.50.**

**GREATER GLORY.** In our section nearly  
every bloom is Cactus. Bloom 10x5 in. Bush 4  
feet. A deep rose-pink with light yellow shad-  
ings at center. It nearly always wins in  
the pink class. **Root, \$1.25.**

**MICHIGAN WHITE.** A prolific bloomer.  
May be described as an improved Star of  
Bethlehem with good substance. A fine white  
commercial. **Root, 75c.**

**VIRGINIA BUTE.** Color is rich oxblood-red  
shaded garnet on edge of petals. Resembles  
Cherokee Brave in color and form. Blooms  
have high, full centers. The long, strong  
stems need no support even when grown for  
exhibition. **Root, \$1.00.**

**Formal Decorative**

**COMMANDO.** True phlox-purple. Large flow-  
ers averaging 10 inches in diameter. Long,  
stiff stems. Bush very healthy. One of the  
finest lavender-purple varieties. A giant that  
is tops among the big ones. **Root, \$1.50.**

**D'ARCY SAINSBURY.** One of the best  
white dahlias ever introduced. Beautiful  
formation, wonderful long stems with leath-  
ery foliage. No mistake about this being good.  
**Root, 75c.**

**MOTHER CABBINI.** Carmine overlaid gar-  
net-red. One of the strongest growers we ever  
saw. Foliage heavy and stems long and free  
branching. Certificate at Cincinnati. Highly  
recommended for cutting and exhibition.  
**Root, 75c.**

# DAHLIAS

**MARIE.** A real pink of the most vigorous  
habit and a big root maker. Flower 4 to 5  
inches. Plant 5 feet. Useful for cutting and  
one of the best garden Dahlias. **Root, 60c.**

**THE GOVERNOR.** Color light yellow. Fine  
form and uniform centers. Early to bloom,  
it gives abundance of flowers. Blooms be-  
come larger throughout the season. Sub-  
stance is ideal with good stems. **Root, \$1.00.**

**VICTORY.** Color golden pink. A robust  
grower with perfectly formed flowers. Here  
is a very reliable grower. Becoming more  
popular every season. **Root, \$1.00.**

**Informal Decorative**

**CHEROKEE BRAVE.** Here is a red that  
does not fade or burn. Very artistic form and  
extra long stems. A variety that is reliable.  
**Root, \$1.00.**

**CHEROKEE ROSE.** Lavender-rose. This va-  
riety produces an astonishing number of  
blooms from midseason on. Bushes tall and  
naturally branching. Plant is vigorous with  
long, erect stems and uniform, full-centered  
flowers. Highly recommended as an exhibi-  
tion cut flower. **Root, \$1.00.**

**DAHLIA MUM.** Color deep orange. Large  
flower with twisted petals that roll back to  
the stem. Bush is massive. This is one of the  
best of the later varieties. An unusual dahlia  
and very reliable. **Root, \$1.25.**

**GLAMOUR.** Color purple. This is a strong  
grower producing flowers of uniform texture  
and of great size. Stems are perfect. For  
exhibition it is hard to beat. **Root, \$1.25.**

**GINGER ROGERS.** A butter-yellow. Very  
vigorous grower. Fine blooms with plenty of  
substance. If you want a good all-around  
Dahlia, this is it. **Root, \$1.25.**

**KING DAVID.** This purple really has color  
and plenty of blooms. Stems are not long  
but are strong. A good garden variety. Foli-  
age insect-resistant. **Root, \$1.50.**

**JANE COWL.** The original of the modern,  
vigorous, dependable Dahlias. Golden bronze.  
Flower 8 to 9 inches. Plant 6 feet. Perhaps  
the most widely grown Dahlia of all. **Root,  
60c.**

**LADY IN RED.** You can see this brilliant  
scarlet above all others when entering the  
garden. Fine, long stems. A red that pleases.  
Good grower and root maker. **Root, \$1.00.**

**MONARCH OF THE EAST.** Rich cadmium-  
yellow. Probably the strongest grower of all  
Dahlias. Bushes massive with heavy insect-  
resistant foliage. Here is one for the be-  
ginner who likes them big. Easily grown 11  
inches in diameter. Bushes 5 feet. **Root, 75c.**

**PINK GIANT.** Tyrian-pink. This brightest of  
pink shades has long been lacking in a good  
dahlia. Pink Giant is a grand garden dahlia  
with big, strong, upright bushes, fine stems  
and plenty of bloom. Early. **Root, \$1.00.**

**CONTROL INSECTS**

Use D-X Spray and Rotenone Dust  
during the growing season.

**PREMIER WINSOME.** Color clear light  
mellow pink. Very reliable and free bloomer.  
Very large and lasting flowers. Strong, vig-  
orous grower. One of the best pinks. **Root,  
\$1.00.**

**WHIRLAWAY.** This is a yellow of informal  
markings. Fine bloomer and stiff stems. A  
real aristocrat. Foliage excellent. Can com-  
pete with the best. **Root, \$1.25.**

**WM. SHINKFIELD.** A beautiful big buff-  
yellow, suffused rose. Bush vigorous. Fine  
form. Color very pleasing. One of the best  
imported from Australia. **Root, \$1.75.**

**Pompons**

**BETTY ANNE.** A perfectly formed light pink  
that is very popular. A good grower produc-  
ing abundance of flowers. **Root, 60c.**

**HONEY.** Pale yellow with faint suffusion of  
red on edge of petals. Free bloomer, long  
stems fine for cutting. **Root, 50c.**

**MORNING MIST.** White with rosy lavender  
center outlined with lavender. Great bloom-  
er. Stiff wiry stems. **Root, 50c.**

**Miniature**

**ANDREAS ORANGE.** True orange color.  
Profuse bloomer on fine long stems. One of  
the best Miniatures. **Root, 75c.**

**BABY SAGAMORE.** Here is an amber col-  
ored gem that is always covered with fine  
formed flowers. Extra long stems. Vigorous.  
**Root, 75c.**

**LITTLE DIAMOND.** A little dream of a  
flower that has perfect formation. Excellent  
bloomer. A show Miniature hard to beat.  
Grows about 3 feet high and very reliable.  
**Root, 75c.**

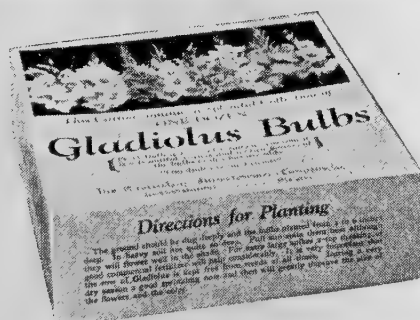
**NELLIE SHEE.** Color is clear light lav-  
ender. Best lavender Miniature. Bushes are  
tall and vigorous, with flowers held on long.  
Strong stems. Very prolific. **Root, \$1.00.**

**ORCHID LADY.** Amaranth-pink to mallow-  
pink. Flowering habit excellent. Good strong  
stems, fine cut flower. **Root, 75c.**

**PINK LASSIE.** The odd formation of this  
miniature makes it excellent for arrange-  
ments. Color is shell-pink with abundance of  
bloom. A real beauty. **Root, 75c.**

**SNOWSPRITE.** Glistening snow-white in  
color with perfect stems and artistic form.  
Stands out in the garden as it is always in  
bloom. Centers are always good and flowers  
remarkably uniform. **Roots, 75c.**

**YELLOW KITTEN.** Light yellow, tipped  
light pink. The pink fades out later in the  
season, leaving a solid yellow color. This is  
the best yellow Formal Miniature we know  
of and will make a first rate cut flower.  
**Root, \$1.00.**



## SPECIAL GLADIOLUS COLLECTION

### Twelve Number One Gladiolus Bulbs

A collection of 12 Number 1 Gladiolus bulbs—  
one each of 12 choice, distinct, different varieties.  
Cultural directions on each package.

Per box **65c**

# SUMMER FLOWERING BULBS

## The Beautiful Amaryllis

**GIANT AMERICAN HYBRIDS.** A wonderful strain of new giant-flowered Amaryllis of free blooming habit. The large flowers are composed of broad, overlapping petals ranging from crimson, orange, scarlet, and light rose to white. The bulbs should be planted in 6-inch pots in garden loam enriched with a handful of bone fertilizer. Cover bulb up as far as the neck; water sparingly until flower stalk appears, then water more freely as plant advances in growth. Large bulbs in mixture for delivery October to March. **Mixture, each 50c; \$5.50 per doz.**

## Anemone

### GIANT SINGLE FRENCH

**DeCAEN.** Excellent cut flower, easily grown. Plant outside after April 1st. Mixed colors. **\$1.00 per doz.; \$7.50 per 100.**

### GIANT DOUBLE TYPE

**ST. BRIGID.** Same as above, but with double flowers. Mixed colors. **\$1.00 per doz.; \$7.50 per 100.**

## Begonia

### TUBEROUS-ROOTED

If early flowering is desired, start tubers in January or February. Provide a box or open flat. Cover the bottom with one inch of sphagnum moss or peat moss, placing the bulbs on the moss about 3 inches apart, slightly covering the tubers. Keep moist, but not too wet, and in a warm place, well lighted, until 3 or 4 inches of growth develops. Then plant in pots or permanent position. Bulbs may also be planted outdoors, about 8 inches apart, about the middle of May. Select a moist shaded situation, under trees, in a light, loamy soil. Good drainage is essential. Bulbs may be lifted in autumn and stored in a cool, damp place.

### DOUBLE CAMELLIA TYPE

An improved double strain which greatly resembles the Camellia in form of flower.

**Pink White Yellow Orange Red**  
**Largest Size Bulbs, 2 inches and up:**  
**Each 35c; \$3.50 per doz.; \$25.00 per 100.**

## Caladium Esculentum

### (Elephant's Ear)

Frequently used as border plants, where their large, rich green leaves, often 4 feet long and 2½ feet wide, contrast with the colors of the dwelling. Plant outdoors from May 15th on. **20c each; \$2.20 per doz.**

## Fancy-Leaved Caladium

Foliage plants with rich and gorgeous, yet soft coloring. For the conservatory or for outdoor bedding in shady or semi-shady positions during summer. Bulbs do best if started in pots, planting one to a 6-inch pot, setting outdoors in late May. Indoor culture similar to that of Tuberous-Rooted Begonias. A splendid mixture of all colors. **35c each; \$3.50 per doz.**

## Calla Lily

Plant in open border when all danger of frost has passed, or they can be started in pots in February and then set out in the garden in May, and will continue to bloom throughout the best part of the summer. When tops are killed by frost dig and store same as Gladiolus.

**GOLDEN CALLA.** Jumbo bulbs, 40c each; **\$4.00 per doz.**

**WHITE CALLA (Maculata).** Spotted leaf with white flower. Jumbo bulbs, 50c each; **\$5.00 per doz.**

## Cannas

### Dormant Roots

Cannas do well in full sun and respond quickly to fertilizing with well rotted manure. Blooming from early summer till frost, they give a gorgeous display without much expense or care.

**AMBASSADOR.** 3½ to 4 feet. Bronze foliage; color poppy-red.

**CITY OF PORTLAND.** 4 feet. Strong growing rose-pink. Green foliage.

**FLORENCE VAUGHAN.** 4 feet. Finest of all yellows. Large lemon-yellow, faint red dots. Green foliage.

**HUNGARIA.** 4 feet. Salmon-pink. Green foliage.

**KING HUMBERT.** 4½ feet. Scarlet flowers. Bronze foliage.

**THE PRESIDENT.** 4 feet. A rich glowing scarlet. Green foliage.

**YELLOW KING HUMBERT.** 4½ to 5 feet. Flowers yellow, spotted red. Green foliage.

**Price, Selected Roots:**  
**15c each; \$1.50 per doz.; \$10.00 per 100.**

## Cinnamon Vine

Well known hardy climber. Quick grower. **Large roots, 3 for 40c; \$1.50 per doz.**

## Gloxinia

Gloxinias are most unusual and decorative, planted in pots for all-summer flowering and for window boxes. Treat the same as Tuberous-Rooted Begonias. Mixed colors. **40c each; \$4.40 per doz.**

## Ismene Calathina

### (Peruvian Daffodil)

A choice flowering bulb, blooming profusely during the summer. Clusters of large, fragrant, white flowers. Plant outdoors about the middle of May. Will begin to bloom in July. Before freezing weather sets in they should be lifted and stored in a warm, dry place. **30c each; \$3.30 per doz.**

## Summer Hyacinths

Luxuriant, free-flowering summer plant. Spreads 2 to 3 feet with spikes 4 to 5 feet in height, each bearing 20 to 30 large greenish white, bell-shaped flowers. **15c each; \$1.50 per doz.**

## Hardy Lilies

Lilies are stately and most beautiful bulbous plants. For that reason many people feel they are hard to grow, but such is not the case with the following varieties, listed below.

For best results they should be planted where their roots will be in shadow with their stems and leaves in full light. Ideal positions are among shrubs or in the annual or perennial border. Any good garden soil will produce good Lilies, provided it drains well. Plant the bulbs in groups of three or more of a kind, setting them on a 1-inch layer of sand.

**CENTIFOLIUM.** An enlarged and improved Regale Lily. Very hardy. Long, tubular white flower, streaked brown outside, with yellow on the inside at base. Plant 8 inches deep. Blooms in July. Height 6 to 8 feet. **60c each; \$6.00 per doz.**

**PARDALINUM GIGANTEUM** (Sunset or Giant Leopard Lily). Brilliant orange-red on the reflexed portion of the segments, the faces of the magnificent "Turk's Caps" are rich yellow closely dotted with brown spots. The flowers are borne in clusters up to ten on strong 5- to 8-foot canes. An easy Lily to grow, succeeding in full sun or partial shade. Blooms in July and should be planted 6 to 8 inches deep. **35c each; 3 for \$1.00; \$3.50 per doz.**

**PHILLIPPINENSE FORMOSANUM.** (Hardy Easter Lily). Long white trumpets on 3-foot stems in July and August. Green throat adds to the picturesque flower. Fragrance is mild but delightful. Plant 5 to 6 inches deep. **35c each; 3 for \$1.00; \$3.50 per doz.**

**REGALE.** The fragrant flowers are white, shading to pale yellow in the center, with a pink tinge on the outer edges. It grows 3 to 4 feet high, and is extremely hardy. Blooms in July. **Extra large bulbs, 40c each; \$4.40 per doz.**

**TENUIFOLIUM** (Coral Lily). Dwarf, very graceful Lily, with thread-like leaves and clusters of nodding, tiny, bell-like, recurved flowers of brilliant coral-red in June. Likes damp soil among rocks, with access to sunlight. Plant 6 inches deep. **25c each; \$2.50 per doz.**

**TIGRINUM SPLENDENS** (The Tiger Lily). Is well known; showy, spotted red-orange flowers in wayside gardens in August and later. Easy to grow, thriving in full sun in any soil. Plant 6 inches deep. **35c each; \$3.50 per doz.**

## Madeira Vine

### (Mexican Potato)

A rapid growing vine with bright, smooth leaves which produce intense shade and valuable for covering fences, outbuildings or screening porches. Plant the roots 2 inches deep. **Each 15c; \$1.50 per doz.; \$10.00 per 100.**

## Oxalis

Excellent summer blooming bulb. Fine for edging in borders of walks or flower beds. Also fine for planting in pots and hanging baskets. **45c per doz.; \$3.00 per 100.**

## Tigridia

### (Mexican Shellflower)

Few flowers are more gorgeously colored, or so beautiful. Plant in a sunny position in a flower border in well drained soil. Give the bulbs the same treatment as Gladiolus; that is, plant them 4 inches deep and at least 6 inches apart, any time after May 15th. This bulb will thrive on an abundance of water.

Our improved strain is a mixture including a wide range of colors. **\$1.00 per doz.; \$8.00 per 100.**

## Ranunculus

### (Buttercup)

Set 3 to 4 inches apart, pressing firmly into the soil, claws downward, and cover them with sand, then with soil. Plant about 4 inches under the surface. Water them well. Will produce giant double and semi-double flowers in orange, red, yellow and pink. Plant bulbs after May 15th. They require winter protection. **\$1.00 per doz.; \$8.00 per 100.**





## EVERBLOOMING HYBRID TEA ROSES

All our Roses are strong, two-year-old, field-grown, budded stock, selected from No. 1 grade plants. Field-grown, budded Roses are stronger and better prepared for the garden than other Rose plants.

**CULTURE:** Give Roses the best location possible, with at least a half day's full sunlight. They want well drained soil, prefer a rich clay loam, but will grow in any soil if fertilized with either manure, bone meal, or G. & O. Rose Food. G. & O. Rose Food is especially prepared for Roses. These fertilizers should be applied at the time of planting.

When the flower buds begin to show color, liquid manure or some quick-acting chemical fertilizer is given once a week. Liquid manure is made by soaking sheep or cattle manure in water.

**MULCHING:** During the summer months mulching is beneficial. It eliminates cultivation and retains moisture in the soil. We recommend ground corn cobs or peat moss for mulching Roses.

**BETTY UPRICHARD.** Vigorous, healthy plants with semi-double flowers of good size and substance, brilliant orange-carmine inside, reverse light salmon.

**BRIARCLIFF.** An almost thornless plant with fragrant rose-pink blooms. One of the finest for cutting.

**CALEDONIA.** Large, full, fragrant, pure white flowers on long stems for cutting. A healthy, vigorous grower.

**EDITOR McFARLAND.** Perfectly formed, brilliant rose-pink flowers for cutting. The plants are vigorous and bloom freely.

**E. G. HILL.** Large full, brilliant crimson flowers of perfect form with a most delightful fragrance, borne singly on erect stems. Ideal for cutting. Very free flowering.

**ETOILE DE HOLLANDE.** Its fairly full, brilliant red flowers open in all

weathers and have wonderful fragrance. Vigorous habit and clean foliage.

**GRENOBLE.** A vigorous grower producing plenty of beautiful scarlet-crimson flowers on long, strong stems. Fine for cutting.

**MRS. P. S. du PONT.** Double flowers of rich golden yellow. It has a spicy fragrance and the low-growing plants produce more flowers than any other yellow Rose.

**RED RADIANCE.** A sport of Radiance. Just like its parent in everything except color, which is a dull shade of red.

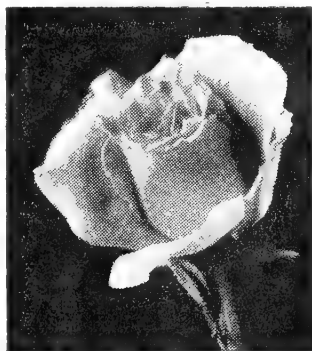
**ROUGE MALLERIN.** A fragrant, long-lasting bloom of burning scarlet. The petals have a heavy pile which makes them look as if cut from a piece of velvet. The upright plants are healthy.

**SISTER THERESE.** A vigorous grower producing long, pointed, chrome-yellow buds marked with carmine, opening to daffodil-yellow flowers.

**TALISMAN.** Fragrant, double flowers containing shadings of golden apricot, yellow and old rose. Fine grower with glossy foliage.



Etoile de Hollande



Talisman



Red Radiance

### Prices on Everblooming Hybrid Tea Roses

{ \$1.10 ea. \$12 per doz. }



### HARDY CHRYSANTHEMUMS *Special Collection Offer*

Six Named Varieties in Six Popular Colors and Shades

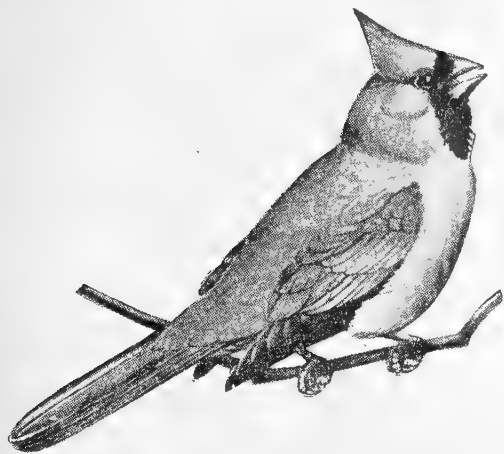
Strong, well rooted, potted plants that will give an abundance of bloom this fall.  
A \$1.50 value.

Special . . \$1.00

WHEN ORDERING, SEE PAGE 64 OF THIS CATALOG

# Protect the Birds at All Times!

Provide Food, Shelter, and Houses for Nesting  
It's Fun to Watch Them and Enjoy Their Song

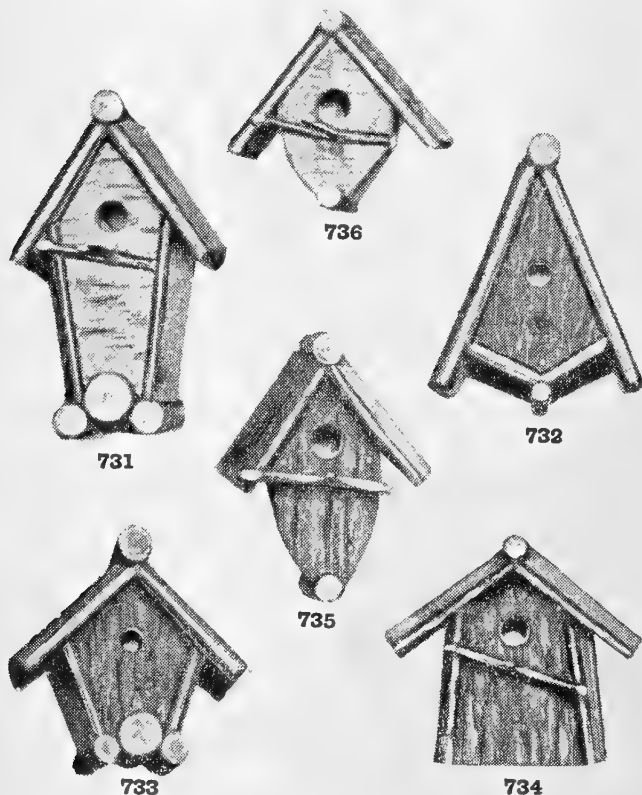


*McCullough's*

*Wild Bird Seed*

A mixture of sunflower, millet, peanut hearts, etc. All whole grains containing no cracked corn. Attracts all species of wild birds. 5 lbs., 70c; 10 lbs., \$1.30; 25 lbs., \$3.00; 50 lbs., \$5.75.

## Woodland Wren Houses



A rare selection of wren houses. Never has so much been offered for so little. The most attractive rustic group ever built. Each has been chemically treated to withstand the weather. Should last for many years. Your choice of any of the above. Price, \$1.59 each.

THE MODERN FAMILY GARDEN BOOK  
Covers Lawns, Trees, Shrubs, Flowers and Vegetables  
Price: \$1.00, Postpaid

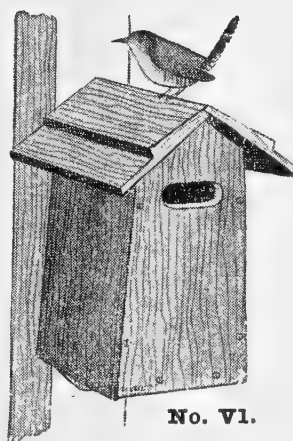
## Hyde's Bird Houses

These popular bird houses are exceptionally well built, meet all requirements of the U. S. Dept. of Agriculture and Audubon Societies. They are of popular dimensions, ventilated, insulated, drained, stained a woody brown. Both sides attached with screws.

ALL BOTTOMS ARE REMOVABLE FOR QUICK AND EASY CLEANING

### The Wren

For House or Bewick's Wren. Long narrow opening allows twigs to be carried in. 6x7½x11 inches. No. VI. \$2.50.



No. VI.



No. V2.

### The Chickadee

Will attract the Chickadee, Nuthatch, Downy Woodpecker, etc. No. V2. \$2.50.



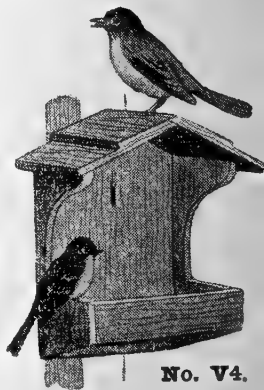
No. V3.

### The Bluebird

Especially built for the Bluebird, Tree or Violet-Green Swallow. 6x7½x11 inches. No. V3. \$2.50.

### The Robin

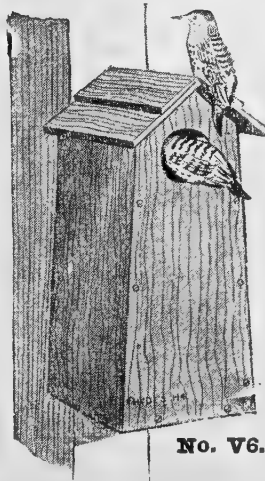
Shelter-type house preferred by the Robin, Phoebe, Song Sparrow, etc. Serves as feeding station in winter. No. V4. \$2.50.



No. V4.

### The Flicker

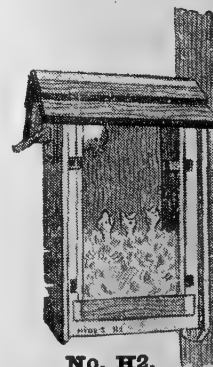
Has unfailing appeal for Red or Yellow Shafted Flicker or Screech Owl. No. V6. \$4.50.



No. V6.

### Bird Observatory

With glass partition under one side for observation, pictures, etc. Side should not be removed until nursery noises are heard inside or see mother taking in food. No. H2. \$3.95.



No. H2.



# DOG, BIRD and PET FOODS and SUPPLIES

## Miller's Dog Foods



These excellent foods for dogs are made from meat, cereals, Fleischmann's Irradiated Dry Yeast, Cod Liver Oil, Bone Meal, and other top quality ingredients. They contain abundant vitamins and all necessary food elements. Miller's Dry Foods are concentrated and will go much farther than canned meat food; they contain no moisture or filler.

**KIBBLES.** 5 lbs., 70c; 25 lbs., \$3.00; 50 lbs., \$5.50.

**BISCUIT.** 5 lbs., 70c; 25 lbs., \$3.00.

**RATION.** 5 lbs., 50c; 10 lbs., 95c; 25 lbs., \$2.15; 50 lbs., \$3.90.

**EATIES.** (Cubes.) 5 lbs., 50c; 10 lbs., 95c; 25 lbs., \$2.25; 50 lbs., \$4.10.

**PUPPY MEAL.** 5 lbs., 70c; 25 lbs., \$3.00; 50 lbs., \$5.50.

## Gaines Dog Food



**MEAT AND MILK MEAL.** Contains meat, milk, eggs, processed beets, soy beans, whole wheat, yellow corn, white rice, malt syrup, cod liver oil, minerals, enzymatic material, lactoflavin concentrate. Gives dogs vigorous health, glossy coat, better digestion, and clean intestinal tracts. 5 lbs., 50c; 10 lbs., 95c; 25 lbs., \$2.25; 50 lbs., \$3.75.

**GAINES KRUNCHON.** Same as meat and milk meal but in cube form.

5 lbs., 65c; 25 lbs., \$2.45; 50 lbs., \$4.60.

## Hunt Club Dog Food

**DOGS LOVE ITS RICH MEATY FLAVOR!**



Hunt Club is a complete diet for grown dogs and puppies of every breed. Rich in Vitamins A, B<sub>1</sub>, Riboflavin, Niacin, D, E, and K.

No supplements of any kind required.

Five pounds makes fifteen pounds of ready to serve food.

5 lbs., 50c; 10 lbs., 95c; 25 lbs., \$2.25; 50 lbs., \$3.75.

**CHARGE DESSERT FOR DOGS.** A food supplement. Contains minerals and vitamins A, B, D, and G. 2-oz. pkg., 10c; 6-oz. pkg., 25c; 20-oz. pkg., 75c.

**CHAPPLES KIBBLES.** 5 lbs., 65c; 10 lbs., \$1.15; 25 lbs., \$2.75; 50 lbs., \$4.60.

## Dog Remedies

**HILO DIP.** Kills parasites (fleas, lice and ticks) on dogs. Price: 1 oz., 25c; 3-ozs., 50c; 6-ozs., 85c; pt., \$2.00.

**HILO OINTMENT.** Give your dog quick relief. Price: 1 oz., 25c; 3 ozs., 50c; 15 ozs., \$1.50.

**DELCREO THREE WORM CAPSULES.** For control of roundworms, hookworms and whipworms. Box of 15 capsules, 50c.

**DELCREO ROUND WORM TABLETS.** Box of 15 tablets, 50c.

**DELCREO TAPEWORM TABLETS.** Box of 10 tablets, 50c.

**DELCREO OINTMENT.** An aid in the treatment of certain types of mange, eczema, skin diseases, cuts and wounds. 1 oz., 50c.

**DELCREO.** An emulsion for use in internal medication. Bronchitis, catarrh or colds, diarrhea, distemper. 4-oz. bottle, \$1.50.

**DELCREO VITAMIN-TESTED COD LIVER OIL.** Promotes health, growth and vigor. It is valuable in the treatment and prevention of rickets and other deficiency diseases. Especially beneficial for growing puppies. 4 fluid ozs., 35c; pt., \$1.00.

**DELCREO TONIC AND CONDITIONER.** Package, 2 fluid ozs., 75c.

**DELCREO EYE LOTION.** 2 fluid ozs., 50c.

**SHOW COAT.** Lotion-treated dog cleaning pads. Clean your dog the easy way. Refreshing and deodorizing. Per jar, \$1.00.

**ITCH-A-WAY.** An ointment used for simple mange, continuous scratching, eczema, skin irritation and falling hair. If the dogs lick it, it is good for them. 3/4-oz. tin, 15c; 3-oz. tin, 50c.

**MILLER'S DOG SOAP.** Cake, 25c.

**CEDAR KENNEL BEDDING.** 5-lb. bag, 60c; large bag, about 50 lbs., \$2.50. Delivery extra.

## Fleischmann's Irradiated Dry Yeast

Increases pep and general vitality. Stimulates the appetite and aids digestion. Not a medicine but a natural food supplement which should be given to all dogs regularly. Produces a finer and heavier coat—builds stronger bones and muscles—prevents and cures rickets—develops sturdier puppies. Rich in vitamins B, D, and G.

Just mix right in with their other food. 3 1/2-oz. pkg., 25c; 8-oz., pkg., 48c; 1-lb. pkg., 82c; 5-lb. pkg., \$3.50.

## Bird Foods and Remedies

**RAPE SEED.** Per lb., 25c.

**CANARY SEED MIXED.** Per lb., 25c.

**SUNFLOWER.** Large selected seed. Per lb., 25c; 3 lbs., 70c; 10 lbs., \$2.25.

**MILLET SEED.** Per lb., 15c.

**LOVE BIRD SEED.** Per lb., 20c.

**MCCULLOUGH'S BIRD TONIC.** (Bulk.) Per lb., 50c.

**MCCULLOUGH'S BIRD GRAVEL.** Pkg. (28 ozs.), 10c; 3 for 25c.

# POULTRY SUPPLIES

The demand for increased production of more eggs and poultry should encourage all of us to keep a few chickens. There is no limit to our needs for eggs and poultry meat. Military and lend lease will consume a large portion of eggs for drying. We have been asked to raise and eat more poultry in order to reduce the consumption of beef, pork, and lamb. Anyone with sufficient space will profit by producing their share of poultry and eggs.

**HAMMOND'S EGG PRESERVATIVE.** A specially prepared water glass to keep eggs fresh over a period of time. One quart will preserve 15 to 20 dozen eggs. Pt., 25c; qt., 40c; gal., \$1.00.

**MASON JAR FOUNTS.** A convenient, cheap, and sanitary chick waterer. Will fit pint, quart, or one-half gallon Mason jar. Jars not furnished.

**No. 7.** Galvanized pan, screw-cap type. Each, 10c.

**No. 007.** Heavy glass pan, metal clip type. Each, 15c.

**CHICK TROUGH and MASH HOPPERS.** Write for prices.

**POULTRY LEG BAND.** A spiral celluloid band for marking poultry. Know your hens on sight. In six colors: red, dark blue, pink, white, black, light blue.

**No. 2109.** For Leghorns.

**No. 2111.** For American breeds, Rhode Island Reds, Plymouth Rock, Wyandotte, etc.

**No. 2113.** For Asiatic breeds. 25 bands, 25c; 50 bands, 40c; 100 bands, 75c.

**DR. HESS PAN-A-MIN.** A tonic and mineral supplement. 1 1/2-lb. pkg., 30c; 3-lb. pkg., 55c; 7-lb. pkg., \$1.10.

**DR. HESS POULTRY WORM POWDER.** A proved single-dose flock treatment for round worms. 4 ounces treat 100 birds. 2-oz. pkg., 50c; 4-oz. pkg., 90c.

**DR. HESS POULTRY WORM TABLETS.** For individual treatment. 40-tablet pkg., 50c; 100-tablet pkg., \$1.00.

**DR. HESS POULTRY TABLETS.** Valuable in treating roup. Used as a local antiseptic and to medicate drinking water. Aids in preventing disease. 45 tablets, 25c; 100 tablets, 50c.

**DR. HESS CHICK TABLETS.** A bowel astringent. 45 tablets, 25c.

**DR. HESS POWDERED LOUSE-KILLER.** 1-lb. pkg., 30c; 2 1/2-lb. pkg., 65c.

**DR. HESS DIP AND DISINFECTANT.** 12 ozs., 30c; qt., 60c; 1/2 gal., 95c; 1 gal., \$1.65.



**OYSTER SHELL, GRIT, POULTRY SCRATCH FEED, CHICK STARTING AND GROWING MASH, EGG MASH.** Ask for prices.

## THE MORTON WAY Home Meat Curing Made Easy

**MORTON'S SAUSAGE SEASONING.** Makes delicious sausage. 10-oz. can, 25c.

**MORTON'S TENDER-QUICK.** A special meat cure for pumping and curing. 2 1/2-lb. can 50c.

**MORTON'S MEAT PUMP.** For use with Tender-Quick. Each, \$1.75.

**MORTON'S SUGAR CURE.** For hams and bacons. Cures fast. 7 1/2-lb. can, 75c.

# Defend Your Garden

## ACME SPRAYS INSECTICIDES DUSTS

**ACME APHIS SPRAY.** An all-around contact insecticide in the control of aphids, thrip, leaf hopper, and many other sucking and leaf-eating insects. 3-oz. tubes, 35c each; 12-oz. bottle, \$1.00.



**ACME BAIT-M.** Controls cutworms, sow bugs, grasshoppers, slugs and snails. 1-lb. carton, 25c; 2½-lb. carton, 50c.



**ACME DURADUST No. 25 (D.D.T.)** A high grade wettable product containing D.D.T. Can be used as a spray as you would Arsenate of Lead by using 2 lbs. to 50 gals. of water; can also be used as a dust. 1 lb., 60c; 4 lbs., \$1.95.

**ACME GARDEN DURADUST (D.D.T.)** Ready-to-use dust for home gardens. Containing D.D.T. and a copper fungicide. Effective against certain insects as leaf hopper, corn ear worm and rose chafer where present remedies are not entirely successful. 1-lb. sifter carton, 39c; 4-lb. bag, 85c.



**ACME EMO.** A summer oil spray; controls white flies, rust mites, blister mites, mealy bugs, red spiders, certain scale and other insects. 8 ozs., 30c; pt., 50c; qt., 70c; gal., \$1.95.

**ACME EMO-NIK.** A complete contact insect spray combining nicotine with EMO, the summer oil emulsion. 4½ ozs., 35c; pt., 65c; qt., 95c; gal., \$2.50.



**ACME TOMATO DUST PUMP GUN.** Containing 1 lb. of dust. 55c each.



**ACME KOPPER SHIELD PRUNING PAINT.** A prepared liquid paint containing copper for treating wounds left by pruning, storms, or accidents. Prevents canker fungus, hard rot, and certain other fungi. Forms a protective shield. ½ pt., 30c; pt., 45c; qt., 75c; gal., \$2.32.

**ACME KOPPER KING. A Scientific Bordeaux Spray.** Kopper King is a basic copper sulphate, a fungicide of revolutionary importance. It is neutral and insoluble, requiring no lime to keep it from burning. Kopper King contains 52% copper, twice as much as ordinary copper sulphate (common blue-stone). Can be used either as a liquid spray or combined with a carrier in making a home-made dust. Favored for use on tomatoes to avoid Bordeaux (lime) injury. Also for prevention of late blight on potatoes following the use of Red River Potato Mix for insect control. 1-lb. carton, 40c; 4-lb. bag, 94c.

**ACME KOPPER QUEEN.** A liquid copper spray for the control of mildew. 8-oz. can, 35c; pt., 60c; qt., 90c.



### ROSE SPRAY

Good-by guesswork! Grow beautiful roses and other flowers with the Acme System of Spray Treatment combining 3 necessary elements (packed separately) to solve the entire spraying problem — NO other sprays needed. Ask for ACME SCIENTIFIC ROSE SPRAY



The number indicates number of gallons of spray each set will make.

No. 3	.....	\$0.95
No. 6	.....	1.50
No. 24	.....	4.00
No. 48	.....	6.00
No. 96	.....	9.75

**ACME SPRAY SOAP.** A refined fish oil soap. Less liable to give injury to foliage than ordinary soap. Lb., 35c; 7½ lbs., \$2.15.

**ACME ROTENONE GARDEN GUARD.** Non-injurious to humans and warm-blooded animals. It gives immediate control over a wide range of insects. A light dusting will bring immediate results. 1-lb. sifter-top pkg., 38c; 1-lb. pump-gun pkg., 62c; 6-lb. bag, \$1.10.



**ACME RED RIVER POTATO MIX. (Containing D.D.T.)** Yes, D.D.T. has been added to Red River Potato Mix, increasing effectiveness against leaf hopper and psyllid, thereby greatly increasing a marketable harvest. Red River Potato Mix

will also kill potato bugs as well as stimulating the foliage. Use as a dust or spray. 1 lb., 45c; 4 lbs., \$1.35.

**ACME STOP.** Tree banding compound painted around the trunks to keep caterpillars, etc., from crawling into the trees. 6 ozs., 35c; lb., 65c; 7½ lbs., \$4.00.



**ACME WETTABLE DUSTING SULPHUR.** An improved dusting sulphur which can also be used as a liquid spray; controls mildew and black spot. 2-lb. sifter-top, 30c.

**ACME VEGETABLE AND FLOWER GARDEN DUST.** A nicotine-arsenical dust or spray for the control of many common varieties of both sucking and leaf-eating insects. For vegetables, vines, shrubs, etc. A proven product. 1-lb. carton, 40c.



**ACME WEED KILLER.** A powerful quick-acting arsenical weed killer for destroying weeds and all plant life on driveways, tennis courts, paths, etc.; also used on roadbeds of railroads. Ft., 35c; qt., 55c; gal., \$1.60; 5 gals., \$6.00.

**AMMATE WEED KILLER.** See page 60.

**ANTROL.** Ready-filled set containing 4 filled feeders. 39c. Antrol Syrup Refills, 2 ozs., 10c; 4 ozs., 20c.

**ANTROL ANT TRAP.** Kills both sweet- and grease-eating ants. Ready to use. Each, 10c.

**ANT-X JELLY BAIT.** A most effective bait for destroying all species of ants. Simple to use. Not a repellent, but a food bait that ants eat and carry back into the nest. Destroys entire colony. 35c and \$1.00.

**ANT-X ANT TRAPS.** A safe, sanitary method for controlling ants in house and garden. Attracts and destroys both sweet- and grease-eating ants. Cannot be opened by children or spilled by pets. May be placed inside ice boxes or other food containers without contaminating food. 25c each.

**ARSENATE OF LEAD.** The standard insecticide for the control of chewing insects. 1-lb. carton, 33c; 1-lb. bag, 28c; 4 lbs., 70c.

**BEE BRAND INSECT SPRAY.** Controls fleas, mosquitoes, gnats, roaches, silverfish, ants, flies, moths. 6 ozs., 19c; pt., 30c; qt., 50c; gal., \$1.75.

**BLACK LEAF 40.** A concentrated nicotine solution for aphids, thrips and red spider. Oz., 33c; 5 ozs., \$1.00; lb., \$2.35; 2 lbs., \$3.45; 5 lbs., \$6.70; 10 lbs., \$11.65.

**BORDEAUX MIXTURE.** The recognized preventive for most fungous diseases. 1-lb. carton, 32c; 4 lbs., 69c.

**CALCIUM ARSENATE.** A strong inexpensive insecticide for use on hardy foliage, such as potato vines, etc. 1-lb. carton, 26c; 4-lb. bag, 50c.

**CARTRIDGE FOR ARNOLD SPRAY GUN.** D.D.T., Rot-O-Spray (Rotenone), Funguspray, Arsen-O-Spray, Sulph-O-Spray, Nic-O-Spray, Cryolitespray. 35c each; 3 for \$1.00.

**CORN EAR WORM DROPS.** A treatment for control of corn ear worms, a blend of organic and inorganic germs. Bottle contains applicator, from which 4 to 10 drops, depending on size of ear, are to be inserted in the tip of the ear.

Treatment should be made after corn silk has turned brown, a sign of complete pollination. 2-oz. bottle, 35c.

**CRABEX CRAB GRASS KILLER.** Eliminates crab grass, dandelion, plantain, buckhorn, chickweed, ground ivy, etc. 8 ozs., 75c; 16 oz., \$1.25; 32 ozs., \$2.00.

**CROW REPELLENT.** Seed-preserver for corn. ½-pt. can, enough for one bushel seed, 60c; 1-pt. can, enough for two bushels, \$1.00; 1-qt. can, enough for four bushels, \$1.75.

**CYANOGAS.** "Calcium Cyanide." Grade A, for the destruction of ground moles, woodchucks, rats, and other rodents. Lb., 75c; 5 lbs., \$3.00.

**CYANOGAS "Grade G"** for greenhouse fumigation. 5 lbs., \$3.00; 25 lbs., \$10.00; 100-lb. drum, \$25.00.

**CYANOGAS KILLS ANTS.** 4 ozs., 30c.

**DOG SKAT (Hammond's).** The repellent odor, unnoticeable to humans, makes dogs change their habits. 3-oz. bottle, 35c.

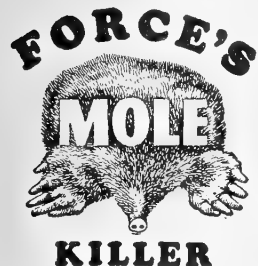
**DOGZOFF.** Efficient animal repellent. Garden size bottle, 50c.



## INSECTICIDES, FUNGICIDES, SPRAYS AND DUSTS—Continued

**D-X.** A penetrating Rotenone spray. Controls both sucking and chewing insects. 1½-oz. bottle, 35c; ½ pt., \$1.25; 1 qt., \$3.50; 1 gal., \$9.50.

**EVERGREEN.** Kills garden insects. No spreader required. 1 oz., 35c; 6 ozs., \$1.15; 1 pt., \$2.45; 1 qt., \$4.10.



**FORCE'S MOLE KILLER.** No traps—no gas—no harm to domestic animals or birds. True mole food scent attracts and kills moles. Pellet form. 35 pellets, 25c; 75 pellets, 50c; large size (185 pellets), \$1.00.

**FORMACIDE.** A formaldehyde dust used to control damping off. ½ lb., 50c; 1 lb., 85c; 5 lbs., \$2.50.

**FRUITONE.** Makes seedless Tomatoes. Stops premature drop of flowers, fruits and leaves. 2/5 oz., 25c; 2-oz. can, \$1.00; 12-oz. can, \$5.00.

**FUME-OGEN.** A scientific dog and ant repellent and insecticide. Pkg., 50c.

**FUNGTROGEN.** A most effective control for mildew, black spot, and other fungous diseases of roses. Will not discolor the foliage. 4 ozs., 45c; half pint, 75c; 1 pt., \$1.25; qt., \$2.00; gal., \$6.00.

**GRAFTING WAX.** ½ lb., 40c; 1 lb., 60c.

**GRAPE AND ROSE DUST.** Powder. An effective preventive for mildew and other fungous diseases in the garden or greenhouse. 1 lb., 35c; 5 lbs., \$1.25.

**GRASSELLI SPREADER.** A combined spreading, sticking and wetting agent. Pt., 75c; gal., \$4.95.

**HORICUM.** A liquid lime and sulphur. 1 qt., 50c; gal., \$1.20; 5 gals., \$4.40.

**HORMODIN POWDER.** Simplifies the rooting of cuttings. No. 1—¼ oz., 25c.

**HAMMOND'S POTATO MIX.** Double duty. Spray or dust. Controls diseases and insects on potatoes. 1-lb. can, 40c; 5-lb. bag, \$1.10.

**IRON SULPHATE.** 5 lbs., 45c; 10 lbs., 80c; 25 lbs., \$1.45; 50 lbs., \$2.25; 100 lbs., \$3.75.

**KILLOGEN.** Plant spray and ant killer. A contact spray that controls insects in the garden. Splendid for house plants. Controls ants on lawns and flower beds. 1-oz. bottle, 35c.

**KIX.** For roses. A combination of the most effective fungicides and contact insecticides. Its threefold action controls all types of insects and fungus in one spray—one mix. 4-oz. bottle, 65c.

**LIME AND SULPHUR (Dry).** For use in dormant spraying against scale, peach blight, leaf curl and twig borer. Summer spraying against scab, blotch, red spider and mite. 1 lb., 37c; 5-lb. tin, \$1.53; 12½-lb. bag, \$1.75.

**LOBO.** A contact insecticide for gladiolus thrip, carnations, chrysanthemums, etc. Pt., \$2.00; gal., \$10.50.

**MOLOGEN.** Eliminates moles from your lawn. Non-poisonous. ½ lb., 50c; 1½ lbs., \$1.25.

**MOLE NOTS.** A specially prepared mole food. In prepared bait form. Pkg., 35c; large size, \$1.00.

**MOUSE NOTS.** For house or garden. Impregnated prepared bait. No mixing; no traps. Pkg., 25c; large size, \$1.00.

**NAPHTHALENE FLAKES.** Useful in controlling gladiolus thrips, cyclamen thrips, together with certain soil insects, moles, etc. Lb., 30c; 5 lbs., \$1.25; 25 lbs., \$5.75.

**NITRAGIN GARDEN INOCULATION.** For garden peas and beans, sweet peas, lupins. Pkt., 10c. Will inoculate up to 6 pounds of seed.

**N. N. O. R.** A rotenone in liquid form. 1 oz., 35c; 6 ozs., \$1.00 each; 16 ozs., \$2.15 each; 1 gal., \$13.50 each.

**NO-MOLE.** Kills moles. 14-oz. tin, \$1.10; 28-oz. tin, \$2.00.

**OGENS.** Roach and ant powder. 2-oz. shaker can, 35c.

**PARA-DICHLOROBENZINE.** For killing the peach tree borer. Per lb., 30c; 5 lbs., \$1.25; 10 lbs., \$2.25.

**PARA-SCALECIDE.** For treating peach borer via the dipper method, Scalecide plus 15% paradichlorobenzine. 1 qt., 85c; gal., \$2.20; 5 gals., \$7.03.

**PARIS GREEN.** ¼ lb., 18c; 1 lb., 52c; 5 lbs., \$2.35.

**PETERMAN'S ANT FOOD.** 2¾-oz. shaker top, 25c.

**POMO-GREEN WITH NICOTINE.** The leaf-green all-in-one dust or spray. A combination material, which controls fungous diseases, and kills both leaf-eating insects and aphids. Leaf-green in color and never unsightly on plants. May be used for dusting or spraying. 1-lb., 80c; 5 lbs., \$3.30.

**POTATO MIX.** See Acme Red River Potato Mix, page 58; also Hammond's Potato Mix.

**RABBIT REPELLENT (G. & O.)** 5-lb. bag will treat 100 to 150 individual plants or 200 to 250 running feet of plant row (one side.) Full directions for use on package. 1 lb., 45c; 5 lbs., \$1.75.

**RAT NOTS.** Non-poisonous. In prepared bait form—no mixing. Pkg., 25c; large size, \$1.00.

**RAT-NOT PASTE.** Recommended for elusive rats which are difficult to trap, and are finicky in their eating habits due to easy access to garbage, feed and food warehouses. Ideal, too, for control of chipmunks, etc. Packaged in handy, convenient tubes. 35c and \$1.00.

**RAT BAIT, TOPZOL.** Ready for instant use. Non-poisonous. Pkg., 15c.

**RAT AND MOUSE SYRUP, TOPZOL.** A non-poisonous exterminator. 1-oz. bottle, 25c.

**RAT KILLER, TERRO.** A non-poisonous economical powder used in making your own baits. Mixed with ground raw beef, sausage, etc. 2-oz. can, 50c.

**RAT AND MOUSE EXTERMINATOR, COWLEY'S. (Liquid Poison).** Not mailable. 6-oz. bottle, 50c.

## Rotenone

**SHAWNEE ROTENONE.** A Rotenone Dust fortified with Lethane 60. Advantages of Lethane 60 in Rotenone Dusts: 1—The combination dusts are more stable than Rotenone alone. Carry-over dusts are not subject to deterioration before next season. This represents marked savings. 2—The advantage of Lethane 60 added to Rotenone Dust is available without increasing control costs. 3—The Rotenone Dust with Lethane 60 added remains effective on the plant longer than Rotenone alone. 2-lb. bag, 48c; 4-lb. bag, 65c; 25 lbs., \$3.50.

**ACME ROTENONE GARDEN GUARD.** Controls many sucking and chewing insects. Non-injurious to humans and warm-blooded animals. A light dusting will bring immediate results. 1-lb. sifter-top package, 38c; 1-lb. pump-gun package, 62c; 6-lb. bag, \$1.10.

**HAMMOND'S STABILIZED ROTENONE DUST.** 1-lb. sifter-top carton, 34c; 5-lb. bag, \$1.00; 25-lb. bag, \$4.00.

**HAMMOND'S "B-B" BEAN BEETLE DUST.** A rotenone-sulphur compound. 5-lb. bag, 80c; 25-lb. bag, \$3.75; 50-lb. bag, \$7.50.

**MCCORMICK'S ROTENONE DUST.** Used as a dust or wet spray. 1 lb. makes 10 gallons of spray. 2-lb. bag, 48c; 50-lb. bag, \$7.50.

**ROTECIDE.** A liquid rotenone garden spray. 1 oz., 35c; 8 ozs., \$1.00; pt., \$1.75; qt., \$3.00; gal., \$8.00.

**RED ARROW.** A contact insecticide that may be used upon tender foliage and flowers without burning or staining. Economical to use, being decidedly effective at dilutions of one to five hundred. Oz., 35c; 4 ozs., \$1.00; pt., \$2.85.

**ROOTONE.** A hormone powder for rooting cuttings, dusting seeds and soil. ¼-oz. pkg., 25c; 2-oz. jar, contents will treat up to 3,000 cuttings, price \$1.00; 1 lb., \$5.00. Ask for circular.

**SNAROL.** An effective bait for controlling cutworms, grasshoppers, snails, slugs and sow bugs. Not injurious to plants. 1 lb., 25c; 2½ lbs., 50c.

**SULFOCIDE.** A non-poisonous sulphur fungicide for fruits, vegetables and flowers. Pt., 60c; qt., \$1.00; gal., \$2.50.

**SULFORON.** Micro-fine, wettable sulphur. 6-lb. bag, 60c.

**SULPHUR, Powdered.** For mildew. See Acme Wettable Sulphur, page 58, also Sulforon.

## INSECTICIDES, FUNGICIDES, SPRAYS AND DUSTS—Continued



**SCALECIDE.** A complete dormant spray for San Jose scale, and other orchard pests. Qt., 75c; gal., \$1.75; 5 gals., \$6.35. Larger size available—ask for prices.

**SELOCIDE.** Kills red spider. 1 gal., \$3.50.

**SLUG SHOT.** One of the best known remedies for cabbage and currant worms as well as other leaf-eating insects. Harmless to humans. Lb., 30c; 5 lbs., \$1.20.

**LIQUID SLUG SHOT.** Concentrated combination of pyrethrum-rotenone spray. 1-oz. bottle, 35c; 4-oz. bottle, \$1.00.

**SPRAY CATALIZER.** A spreader, sticker and safener for Sulfocide, lime-sulphur, or arsenate of lead. Stops lead sulphide (black sludge) formation when arsenate of lead and Catalizer are combined with Sulfocide or lime-sulphur. Does not deteriorate. Use in place of lime caseinate. 2-lb. bag, 55c.

**TARTAR EMETIC.** Recommended for the control of gladiolus thrip. 1 lb., \$1.00.

**TAT ANT BAIT.** (Tube.) Each tube will treat several hundred small size ant hills. Each, 35c.

**TAT ANT TRAPS.** Destroys house and garden ants. Attracts both sweets and grease-eating ants. Each, 25c.



**TAT ROACH TRAPS.** Place trap where roaches are numerous. On shelves, drawers, baseboard, sinks, etc. Each, 35c.

**TRANSPLANTONE.** For the treatment of plants when transplanting. Contains the root-forming hormones, vitamin B-1, and other members of the vitamin B complex important in plant growth. ½ oz., 25c; 3-oz. can, \$1.00; 1-lb. can, \$4.00.

**TREE KOTE.** A tree wound dressing and pruning compound. 1 pt., 40c; qt., 60c; gal., \$1.75.

**TERRO ANT KILLER.** Small bottle, 25c; 3 ozs., 50c.

**TERRO ROACH KILLER.** Kills roaches and water bugs. 4-oz. shaker-top can, 35c.

**TOBACCO DUST (Gold Leaf).** Not less than 1.0% nicotine. 2 lbs., 25c; 10 lbs., \$1.00; 100 lbs., \$5.50.

## SPRAY YOUR ROSES WITH

## TRI-OGEN

Patents Pending

Rose Garden Spray Treatment—it protects roses against many insects and diseases—it tends to promote healthy plant growth

5 sizes—90c, \$1.50, \$4.00, \$6.00 and \$20.00.

**TRI-OGEN DUST.** Combination insecticide and fungicide for those who prefer dusting roses as well as other horticultural plants. Controls eating insects, sucking insects, mildew, black spot, etc. Same results accomplished as with spray form of Tri-Ogen. 1 lb., 65c; 5 lbs., \$3.00.

**TREE TANGLEFOOT.** A paste preparation painted around the trunks to keep caterpillars, etc., from crawling into the trees. One pound makes from 12 to 15 lineal feet of band. 6 ozs., 42c; lb., 73c; 5 lbs., \$3.75; 10 lbs., \$7.00; 25 lbs., \$15.00.

**TREE WOUND PAINT.** Prevents decay after pruning. This penetrating, antiseptic paint is not affected by heat, cold or moisture. Does not peel, crack or get brittle. Stops tree bleeding. ½ pt., 50c; 1 pt., 90c; 1-qt. can, \$1.75; 1-gal. can, \$4.50.

**VOLCK, NURSERY.** Effectually controls aphids, mealy bug, white fly, thrips, etc., while for red spider and scale insects upon evergreens it is unequalled. Does not discolor foliage. 4 ozs., 25c; 1 pt., 50c; gal., \$2.25; 5 gals., \$8.50.

**ZOTOX CRAB GRASS KILLER.** Will also control chickweed. 8 ozs., \$1.00; 16 ozs., \$1.50; 32 ozs., \$2.50; 5 lbs., \$4.50. 16-oz. bottle treats up to 2000 sq. ft.

## SEED and SOIL DISINFECTANTS

## NEW IMPROVED CERESAN

For Seed Grains

Effective in controlling seed-borne diseases of grains, sorghums, millets, and flax. 1 lb. treats 32 bushels. Full directions furnished. 4 ozs., 30c; lb., 80c; 4 lbs., \$2.70; 8 lbs., \$5.40; 25 lbs., \$15.00; 100 lbs., \$55.00.

## SEMESAN

For Flower and Vegetable Seeds

Used in dust or liquid form for vegetables, flower seeds, or bulbs. One pound treats 15 pounds. Full directions furnished. 1/3-oz. pkt., 10c; 2 ozs., 40c; 12 ozs., \$1.88; 4 lbs., \$9.10; 25 lbs., \$52.50; 100 lbs., \$198.00.

## SEMESAN BEL

For Seed Potatoes

A disinfectant for better control of seed-borne rhizoctonia and scab. One pound treats 60 to 80 bushels. Full directions furnished. 2 ozs., 30c; lb., \$1.65; 5 lbs., \$7.15; 25 lbs., \$33.25; 100 lbs., \$125.00.

## NEW IMPROVED SEMESAN, JR.

For Field and Sweet Corn Seed

Controls ear, root, and stalk rots of both types. 1½ ounces treat 1 lb. shelled corn. 1½-oz. pkt., 15c; 12 ozs., 56c; lb., 75c; 6¼ lbs., \$3.75; 25 lbs., \$12.50; 100 lbs., \$45.00.

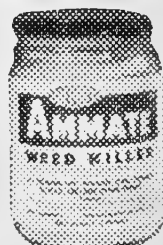
**ARASAN.** For corn, peanuts and vegetables. 1 oz., 16c; 8 ozs., 80c; 5 lbs., \$6.45; 25 lbs., \$30.00; 100 lbs., \$115.00.

**SPECIAL SEMESAN.** For large brown patch and "dollar spot." 1 lb. treats 6000 sq. ft. 5 ozs., 63c; 6 lbs., \$9.35; 25 lbs., \$36.00; 100 lbs., \$135.00.

**TERSAN.** The new organic fungicide for brown patch control. 8 ozs., 80c; 4 lbs., \$5.16; 25 lbs., \$30.00; 100 lbs., \$115.00.

## WEED CONTROLS

**WEEDONE**  
"TRADE-MARK"



**WEEDONE (2-4-D).** Sprayed on the leaves, Weedone kills the following weeds right down to the root tips: poison ivy, oak or sumach, honeysuckle, bindweed (morning glory), plantain, dandelion, etc. 6 ozs. (makes 3 gals.), \$1.00; 1 qt. (makes 15 gals.), \$3.00; 1 gal. (makes 60 gals.), \$10.00. Quotations on larger quantities made on request.

**WEED KILLER.** See Acme Weed Killer, page 58.

**WEED KILLER (Hammond's).** Weeds, poison ivy, and all vegetation are easily destroyed with this highly concentrated easy-to-use material. Dilute with 40 parts of water. Apply with sprinkling can. 1 qt., 50c; 1 gal., \$1.50; 5 gals., \$6.25.

## DUPONT

**"AMMATE" WEED KILLER.** Effective for control of poison ivy, ragweed, Canada thistle, dandelion, plantain and many other weeds. Use ½ to 1 lb. to a gallon water, 1 gallon solution to 100 square feet of infested area. 2-lb. bottle, 75c; 6-lb. bottle, \$1.80; 50-lb. drum, \$12.00; 350-lb. barrel, \$63.00.

**STROY (Du Pont).** A 2-4-D weed killer in tablet form. 25-tablet size (treats 1250 sq. ft.), \$1.00; 100-tablet size (treats 5000 sq. ft.), \$3.40.

**SODIUM ARSENITE.** For the control of crab grass and other weeds. 1 gal., \$2.00.

## D.D.T. Products

**DEENATE (Du Pont).** 50-W. Wettable powder containing 50% D.D.T. For use on agricultural crops, farm animals and farm buildings. 1 lb., 90c; 5 lbs., \$4.25.

**PRATT'S 25% D.D.T.** A liquid D.D.T. spray in glyceride oil base. For use in spraying fruits, vegetables, flowers, barns, dairies and outbuildings. 1½-oz. bottle, 35c; 8-oz. bottle, \$1.00; 1-qt. can, \$2.85; 1 gal., \$8.50.

**ACME DURADUST No. 25 (D.D.T.)** A high grade wettable product containing D.D.T. Can be used as a spray as you would Arsenate of Lead by using 2 lbs. to 50 gals. of water; can also be used as a dust. 1 lb., 60c; 4 lbs., \$1.95.

**ACME GARDEN DURADUST (D.D.T.)** Ready-to-use dust for home gardens. Containing D.D.T. and a copper fungicide. Effective against certain insects as leaf hopper, corn ear worm and rose chafer where present remedies are not entirely successful. 1-lb. sifter carton, 39c; 4-lb. bag, 85c.



# Fertilizers for Lawn and Garden

## More Plant Feeding Value PER POUND AND PER DOLLAR WITH AGRICO



Different plants require different plant-food diets; that's why AGRICO comes in two special-purpose grades for the home user—one special AGRICO for Lawns, Trees and Shrubs; and another special AGRICO for Vegetable and Flower Gardens.

### AGRICO for LAWNS, TREES and SHRUBS 6-10-4

Size pkg.	Price
100 lbs. ..	\$4.00
50 lbs. ..	2.50
25 lbs. ..	1.50
10 lbs. ..	.80
5 lbs. ..	.45

### AGRICO for GARDENS 4-12-4

Size pkg.	Price
100 lbs. ..	\$3.50
50 lbs. ..	2.20
25 lbs. ..	1.40
10 lbs. ..	.80
5 lbs. ..	.45

**AGRICO - the Nation's Leading Fertilizer**

## SACCO PLANT FOOD

MAKES THINGS GROW  
4-12-4

Size of Pkg.	Price
100 lbs. ....	\$3.50
50 lbs. ....	2.40
25 lbs. ....	1.05
10 lbs. ....	.70
5 lbs. ....	.40
1 lb. ....	.10

## ADCO

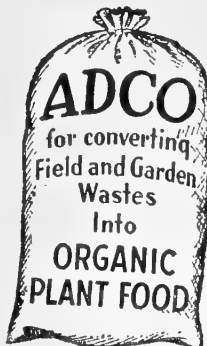
Mix ADCO with leaves, weeds, vines, clippings, cuttings, straw, cornstalks, etc., and turn them into rich plant food. 7½ lbs., \$1.00; 25 lbs., \$2.25; 100 lbs. (4-25s), \$8.75; 150 lbs., \$10.50.

**ALUMINUM SULPHATE.** A material used in creating acid soils, in which Azaleas, Rhododendrons, and similar plants are grown. Use one pound to 10 square feet of surface. 5 lbs., 40c; 10 lbs., 70c; 25 lbs., \$1.50; 50 lbs., \$2.50; 100 lbs., \$4.00.

**BLOOD MEAL.** A quickly available, yet long lasting organic fertilizer. 5 lbs., 60c; 10 lbs., \$1.00; 25 lbs., \$2.00.

**BONE MEAL.** The fertilizer for all purposes; safe and effective. Especially good for use in the rose garden, on lawns and on flowering shrubs. 5 lbs., 45c; 10 lbs., 80c; 25 lbs., \$1.75; 50 lbs., \$3.00; 100 lbs., \$4.50.

**CATTLE MANURE.** Pulverized, making it a desirable fertilizer upon heavy clay or loose sand soils. Per bag of 50 lbs., \$1.75.



## VIGORO

COMPLETE PLANT FOOD FOR  
LAWNS, TREES, SHRUBS,  
FLOWERS AND VEGETABLES

4-12-4

1 lb. ....	\$0.10
5 lbs. ....	.45
10 lbs. ....	.85
25 lbs. ....	1.50
50 lbs. ....	2.50
100 lbs. ....	4.00



## SPECIAL ROSE FOOD

**G & O ROSE FOOD.** An all-organic plant food made especially for Roses. Safe for continuous feeding. 1 lb., 20c; 5 lbs., 65c; 10 lbs., \$1.15; 25 lbs., \$2.50; 100 lbs., \$8.50.

**PLANTABBS.** A fertilizer and stimulant in tablet form made especially for potted plants. Now contains Vitamin B-1. Package of 30 tablets, 25c; 75 tablets, 50c; 200 tablets, \$1.00; 1000 tablets, \$3.50.



**PHOSPHATE, SUPERPHOSPHATE (18% Acid Phosphate).** The rapid development of plants with a corresponding stimulation of flower production are qualities that may be attributed to phosphates. 5 lbs., 30c; 10 lbs., 50c; 25 lbs., \$1.00; 50 lbs., \$1.75; per bag of 100 lbs., \$3.25.

**SHEEP MANURE** provides valuable nitrogen, an abundance of humus, and the essential plant food elements needed to make all plants thrive. Safe, weedless, economical.

### PRICES:

5 lbs. ....	\$0.35
10 lbs. ....	.65
25 lbs. ....	1.10
50 lbs. ....	1.75
100 lbs. ....	2.75

**TOBACCO DUST.** See page 60.

**TOBACCO STEMS.** Used for fumigating plants to kill insects, and as a mulch for roses, asters, lettuce, etc. Bale of about 100 lbs., \$2.00.

## PEAT MOSS, HUMUS, etc.

**PEAT MOSS.** Especially selected for horticultural purposes. Packed in compressed bales, sticked and wire-strapped. Used for mulching, soil improvement, lawns, storing bulbs, potting, etc. 1 bu., 75c; 2 bus., \$1.25; large bale, \$4.00. Delivery charges extra.

**AMERICAN PEAT.** 5 lbs., 30c; 10 lbs., 50c; 25 lbs., \$1.00; 100 lbs., \$3.00.

**HUMUS.** Per 100 lbs., \$2.00.

## PALCO PETE'S MULCH

Finely Shredded Redwood Bark—Easy to Handle—Ready to Use

- \* Binds Light Sandy Soils
- \* Loosens Heavy Soils
- \* Improves Soil Structure
- \* Conserves Moisture
- \* Keeps Soils Mellow

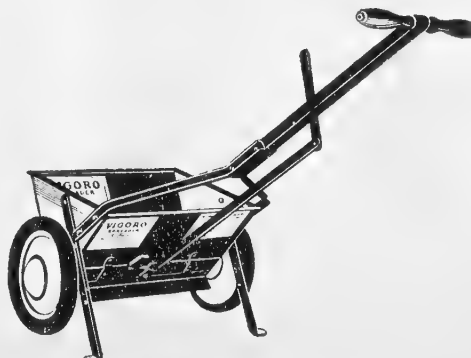


Palco Pete's Mulch keeps soils in condition. Makes ground easier to work. Keeps soil from drying out too quickly. Prevents compacting and cracking. Conserves moisture. Retains its identity in the the soil indefinitely. Takes the work out of gardening. Get some today. Simply say "I want Palco Pete's Mulch." As a lasting soil treatment, it's hard to beat. Packed in convenient sacks containing 3½ cu. ft. Price, \$2.35 per bag, plus delivery.

## FERTILIZER SPREADERS

Will spread any kind of commercial or chemical fertilizer, as well as grass seed. Equipped with selective feed control.

Size 14 in., hopper capacity 15 lbs., \$3.25; 16 in., hopper capacity 35 lbs., \$7.45; 24 in., hopper capacity 65 lbs., \$15.35; 36 in., hopper capacity 100 lbs., \$22.80.



# HORTICULTURAL TOOLS AND SUPPLIES

## Germaco Hotkaps

Help You Grow Earlier, Hardier Vegetables, Flowers.

**Germaco HOTKAPS.** Strong little hothouses, protect plants from destructive frost, storms, insects. University tests prove HOTKAPS increase yield 18% to 51%, nearly double early marketable yield, ripen crops 3 weeks earlier for highest prices. Quick, easy to set. 100 millions used. Premium profits pay for them many times over. Order today. **25 Hotkaps with Setter, 50c; 100 with Setter and Tamer, \$1.95; 250 Hotkaps with setter and tamer for \$3.50; 1000 for \$11.00. 5000 lots, \$10.75 per M. 10,000 lots, \$10.50 per M. Postage extra. Write for Booklet.**



## GLOVES, EEZY WEAR

Made of soft leather. Ideal for garden and similar uses.

**Dirt-proof — Durable — Washable**

Three sizes: Ladies size, 7 and 8, Men's size 9. **Price, \$1.00 per pair.**



## SHRUB-GARD

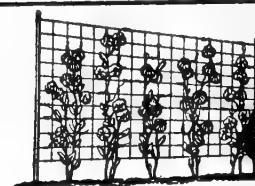
PATENTED

An invention that protects your shrubbery from the menace of destructive corrosive action caused by dogs. Makes the dog's visit so uncomfortable that he keeps away, yet it is so constructed that it will not harm the dog. The SHRUB-GARD is a unit of steel spring wires that are flexible and will not tear clothing of passersby.

Each SHRUB-GARD has three prongs and covers approximately two and one-half lineal feet.

Harmless to dogs or humans.

Packed one dozen to a carton. Weight 2½ lbs. **Price, \$2.25 per doz.**



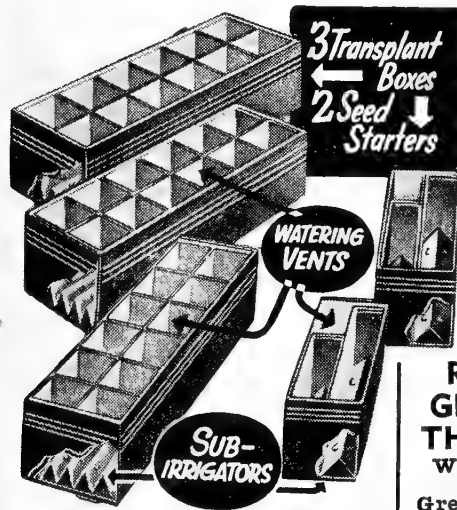
**NEW!  
DIFFERENT!**

## Weatherized TRELLIS NETTING

**Ideal Support for SWEET PEAS, GARDEN PEAS, POLE BEANS, CUCUMBERS, TOMATOES** Grows finer, larger flowers and vegetables. Hung with ease in 5 minutes; no fuss or bother. Use instead of string or wire. (Wire in sun burns delicate tendrils.) *Doesn't rot like string—lasts several seasons.* In 3 sizes: No. 1, 60x72 in., 39c; No. 2, 60x96 in., 49c; No. 3, 60x180 in., 69c. Postpaid.

## TRAIN-ETTS

## SEED STARTING KITS



**GREEN THUMB RG33**  
Price Complete **79c**  
each

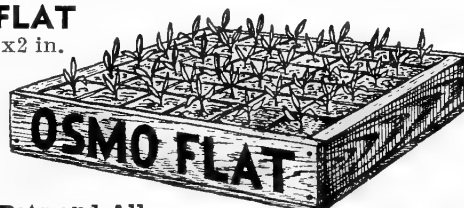
### OSMO FLAT

12½ x 12½ x 2 in.

Complete with 36 2-inch Osmo pots. Ready to assemble.

Plant Pots and All.

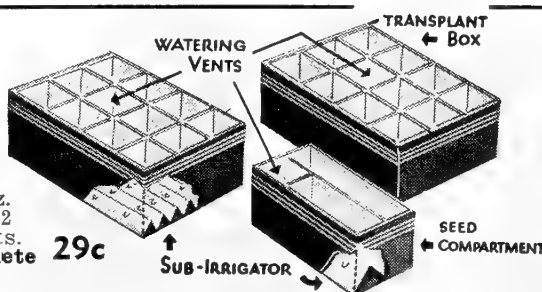
Price Complete **75c**



### RB22 GREEN THUMB

Window Sill Greenhouse  
2½ to 5 doz. seedlings, 22 potted plants.

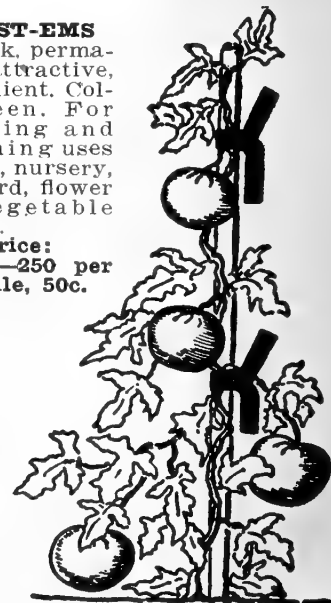
Complete **29c**



### TWIST-EMS

Quick, permanent, attractive, convenient. Color green. For all tying and bunching uses in field, nursery, vineyard, flower and vegetable garden.

Price:  
7-inch—250 per bundle, 50c.



### CYCLONE BROADCAST SEED SOWER

A general seeder, which has four pressed tin flanges and distributing wheel under the bottom; gearing wheel centered, making it easy to run. Has an accurate gauge. Sloping feed board and force-feed steel frame. One of the most widely used types. Sack holds one-half bushel; convenient hand hold and body shield; well braced. **Price, \$2.50.**

### LABELS

TREE LABELS	100	1000
3½ inch, wired	\$0.65	\$4.00

### POT LABELS

4 inch	.45	3.25
6 inch	.65	4.00
8 inch	.80	6.60

### GARDEN LABELS

8 inch	1.00	7.00
10 inch	1.40	9.00
12 inch	1.50	12.00

**EVERMARK.** Weather-proof pencil. 15c each.

## NEVER-TIP FLOWER HOLDERS

NUMBER 3221

### Pin Type

### GIFT

### PACKAGE

Contains 2 Pin type and 1 Dome type NEVER-TIP Flower Holders.

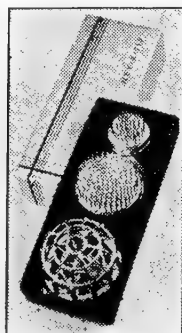
Price Per Set:

**\$1.00**

Size 1½ in. diameter	25c each
Size 2½ in. diameter	50c each
Size 3½ in. diameter	75c each

### Dome Type

Size 1¾ in. diameter	25c each
Size 2½ in. diameter	50c each
Size 3¾ in. diameter	75c each





# SPRAYERS AND DUSTERS



The Arnold Garden Hose Insecticide Sprayer is a simple, practical and highly efficient mixing and spraying device which is attached to your garden hose in place of the regular nozzle.

Chrome .....\$4.00  
Brass ..... 3.50

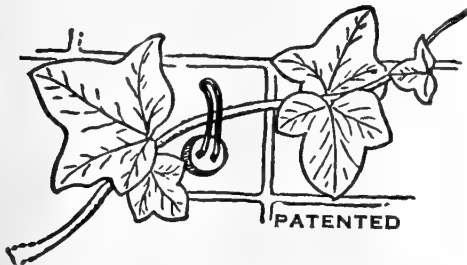


## ARNOLD VICTORY SPRAYER

The Arnold Victory Sprayer consists of a transparent cartridge chamber, plastic spray cap, and a removable leather washer-agitator. Price, \$1.00.

Used with Arnold Cartridges the two types of Arnold Sprayers provide a suitable spray for the control of fungus growths, plant diseases and both sucking and chewing insects.

For cartridges for the above sprayers, see page 58.



## WAYWARD VINE GUIDE AND SUPPORT

For training and supporting ivy, small fruiting trees and all other vines, etc., on brick, stucco, stone and cement walls without defacing.

### NO NAILS — NO HOLES

Attached to walls with cement. The cement used for this support will not be affected by any weather conditions.

Per box of 25, including cement, \$1.00.

## SOIL-SOAKER



### PRICES

No.	Length	Diameter	Price Each
No. 1	13 feet	2 inches (flat)	\$1.90
No. 2	30 feet	2 inches (flat)	2.90
No. 3	50 feet	2 inches (flat)	4.75

## HARCO SPRAYER

It is quick, easy to use. Simply squeeze pump handles together. Fits inexpensive quart Mason jar. Perfect for watering house plants and seedlings in flats. A low cost efficient sprayer for controlling garden pests. Price, \$2.35 complete.



## HAYES-BTTE SPRAYER

A small compact, efficient sprayer. Weighs just a little over a pound, filled. Simply attach to a garden hose. Capacity, 1½ gals. Sprays all modern liquid spray materials free from soap. Price, \$2.95.



## HAYES JR. SPRAY GUN

Sprays liquids and most wettable powders up, down, sideways. Light, easy to use. Attach to garden hose. Capacity, 3 gallons. Price, \$5.95.

## HUDSON SPRAYER

We offer a complete assortment of Hudson Dusters and Sprayers. Ask for prices.

### PAPER FLOWER POTS, NEPONSET

Very economical; waterproof; can be nested closely for shipping.

Diam.	Doz.	100	1000
2¼ in. ....	\$0.20	\$0.30	\$4.50
2½ in. ....	.25	.35	4.75
3 in. ....	.30	1.00	6.00
4 in. ....	.50	1.60	9.50
6 in. ....	.85	2.35	17.00

### STAKES, BAMBOO—PAINTED GREEN

Doz.	100	Doz.	100
1½ ft. ....	\$1.25	3 ft. ....	\$1.75
2 ft. ....	1.40	4 ft. ....	2.25
2½ ft. ....	1.60	6 ft. ....	3.00

## SUDBURY SOIL-TESTING KITS

Tests for nitrogen, phosphorus, potash, and acidity. It will give the gardener complete information about the requirements of his soil.

Home Gardener's Kit (Four complete tests) .....	\$ 2.00
Club Kit (Makes 10 tests) .....	4.75
Horticultural Kit (Makes 60 tests) ..	9.75
Professional Kit (Makes 200 tests) ..	18.50

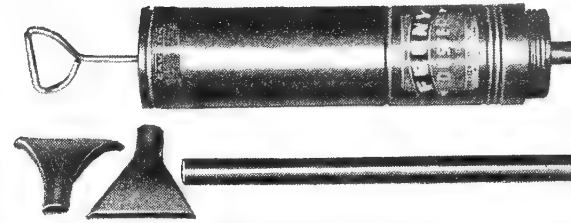
## RAFFIA

For tying, basket making and fancy work. Natural color, 90c per lb.; 5 lbs., \$4.00.

GREEN. ¼ lb., 35c; Bundle (about 1 lb.), \$1.35.

## WATER-PROOF TREE WRAPPING PAPER

Rolls 4 inches wide, about 150 ft. Each, 75c; per doz., \$7.50.



## FEENY DUSTER

Model BX. A handy size for house and garden. Length 16 inches, hopper capacity 1 pint. Provided with a 12-inch extension delivery tube and flared nozzle for general use; also a special nozzle designed to throw the dust upward. Price, \$1.25.

Model F. Holds approximately 1 quart. Equipped with two 12-inch extension tubes and two nozzles. Price, \$1.50.

Model D. 50 inches long. Enables the operator to dust the under sides of low-growing plants without stooping. Holds approximately 2 quarts. Price, \$2.75.

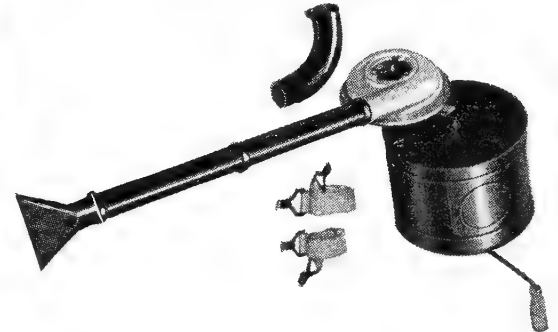
## ROOT DUSTER



Model P-1 Junior Duster. Length 20 in. Diameter 2½ in. Price, \$1.50.

Model P-2 Jumbo Duster. Length 32½ in. Diameter 2½ in. Price, \$2.75.

## ROOT HAND GUN



Designed for dusting small acreage vegetable crops and for other dusting purposes. The highest quality, most efficient crank duster on the market.

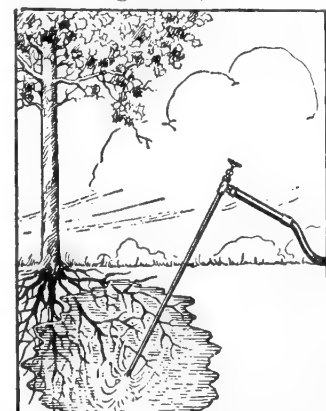
Model C-2. Hopper capacity 7½ lbs. Feed adjustment per acre 4 to 25 lbs. Price, \$15.40.

Model C-3. The highest quality, most efficient crank style duster. Hopper capacity 7½ lbs. Feed adjustment per acre 1 to 20 lbs. Price, \$19.30.

## New Method of WATERING and FERTILIZING TREES, SHRUBS, PLANTS.

Save Water, Time and Trouble.

The WATER LANCE, when inserted into the ground, supplies thirsty roots



with more water in two minutes than they would get from two hours of surface soaking. Used by botanical gardens, nurseries. Equipped with valve and hose connection.

Prices: Water Lance (tubular steel), \$2.50.

# "OUR SEEDS GROW FRIENDS" VEGETABLES FOR PEACE AS FOR VICTORY

There can be no reserves of FRESH vegetables, excepting those growing in gardens. The abundant supply to which we have become accustomed, could be changed to a shortage.

FRESH VEGETABLES play a vital part in combating malnutrition and supply the necessary vitamins for the added energy we all must have.

McCullough's Seeds have been on the market for over one hundred years. We pride ourselves on this reputation. We spend a great deal of time, effort and labor to supply seeds and gardening supplies that are, to the best of our knowledge, of the highest quality. We have often been asked if we "guarantee or warrant our seeds." We answer that we can not, for the reason that practical experience has assured us that there are many hazards beyond the control of the seedsman, such as weather conditions, insects, and difference in soil. Many times we have observed a planting of the best of seeds to fail; and, later a planting from the same lot of seeds, result in an excellent crop.

We can all be thankful that the 1946 planting season finds us with the war a matter of history and with hopes that the world can find a peaceful solution to its many problems.

The demand for food in 1946 is expected to be greater than any prior peacetime year; not only for America, but for the defeated countries. The manpower situation is not bright and transportation is still not as it should be. Therefore, this year, even more than last, we urge you to place your orders as early as possible, so we can all give you the kind of service we know that you want and demand. We promise our full co-operation.

With the three "R's"—redeployment, readjustment and reconversion—in full swing, terminals are still jammed and we've been strongly advised by the transportation companies to again ship earlier this year.

**MATURITY DATES:** Following most varieties of vegetables is a numeral which represents days required to produce vegetables ready for table use. Weather conditions, time of planting, etc., affect the time of maturity, and these figures will vary from year to year. These figures are intended primarily to afford a basis of comparison rather than to state a rigid interval between the planting and harvesting.

## Suggestions For Ordering

In pricing the items in this catalog, we have been required to anticipate such problems as difficulties in securing certain lines of merchandise due to possible new taxes on some articles that would raise their prices—seed shortages—and other situations.

It will be our purpose to fill your orders completely, promptly and at the prices quoted in this catalog. However, if circumstances prevent this, it may be necessary on some items to delay your order, substitute, or ask for a higher price. We recommend that your orders be placed as early as possible.

## Seeds by Mail, etc.

Lawn Grass Seed, Vegetable and Flower Seeds will be forwarded postpaid at catalog prices. All other items are priced F.O.B. Cincinnati.

## Price Changes

We reserve the right to advance or decline with the market when necessary within the law on any item listed in this catalog.

The J. Chas. McCullough Seed Co. gives no warranty, expressed or implied, as to the productiveness of any seeds, bulbs or plants it sells, and will not be in any way responsible for the crop. Our liability, in all instances, is limited to the purchase price paid.

**THE J. CHAS. McCULLOUGH SEED CO.**

Achillea	22
Adco	61
Ageratum	6
Agrico	61
Agrostemma	22
Alfalfa	50
Alyssum	6, 22
Amaranthus	6
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Anthemis	22
Antirrhinum	7
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Balsam Pear	30
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Brome Grass	50
Broom Corn	51
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Cypress Vine	30
Celery	35
Celosia	10
Celtuce	35
Centaurea	10
Chrysanthemum	24
Clarkia	10
Clover	50
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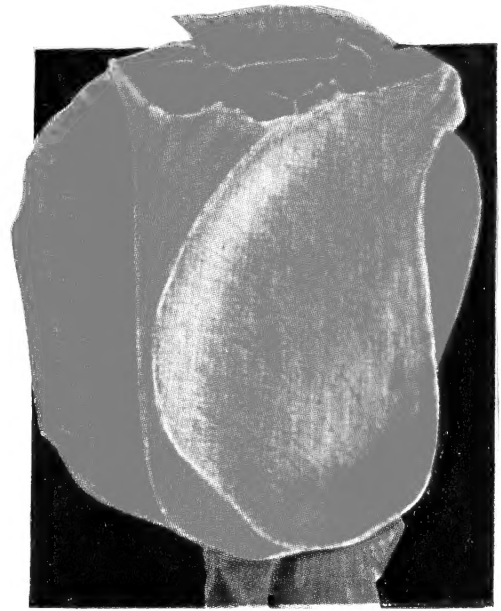
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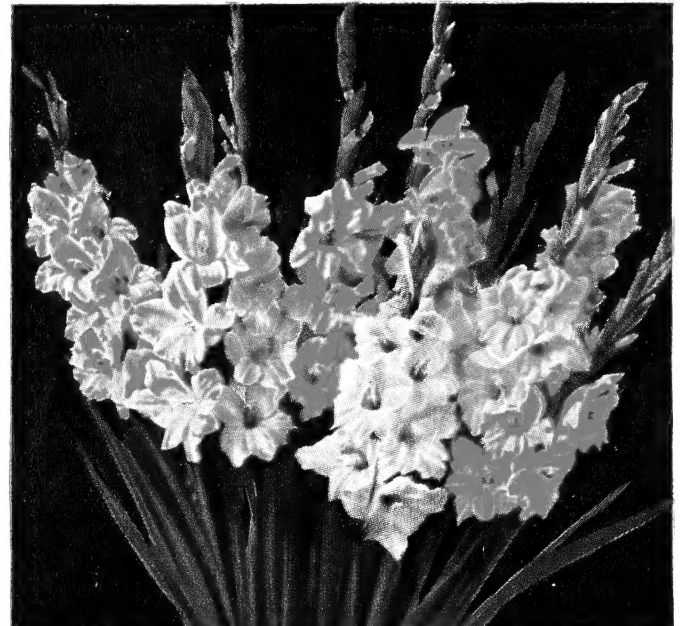
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